

## Product datasheet for SC104781

### PRAC (PRAC1) (NM\_032391) Human Untagged Clone

#### Product data:

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|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Name:                | PRAC (PRAC1) (NM_032391) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tag:                         | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Symbol:                      | PRAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms:                    | C17orf92; PRAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mammalian Cell Selection:    | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vector:                      | <u>pCMV6-XL4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| E. coli Selection:           | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Fully Sequenced ORF:         | <p>&gt;OriGene ORF sequence for NM_032391 edited</p> <p>ATGTTGTGCGCCCATTTCTCAGATCAAGGACCGCCCATCTTACTACCTCCAAGAGTGCT<br/>         TTTCTCTCTAATAAGAAAACATCTACTTTGAAACATCTACTGGCGAGACCAGGAGTGAT<br/>         GGCTCAGCCTGTAATTCTGGAATTCGGGAGGCCGAGGCAGGAAGATTCCTTGA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5' Read Nucleotide Sequence: | <p>&gt;OriGene 5' read for NM_032391 unedited</p> <p>AAATTTTGGTAATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCAAACAGAGC<br/>         GCCACTGGGAGGCTGAAACCTTTAGGCCGATGCCTGCTTGCAAGGTCAGGCAAGCTGGAT<br/>         TCTGGTCCCCACCTTTGCAGAGAGAACAGCGATGTTGTGCGCCCATTTCTCAGATCAAGG<br/>         ACCGGCCCATCTTACTACCTCCAAGAGTGCTTTTCTCTCTAATAAGAAAACATCTACTTT<br/>         GAAACATCTACTGGGCGAGACCAGGAGTGATGGCTCAGCCTGTAATTCTGGAATTCGGG<br/>         AGGCCGAGGCAGGAAGATTCCTTGAGCACAGGAGTCCAGACCAGCCTGGGCAATGTAGC<br/>         AAGACGCTGTCTCTATTTATAACAATAAAATTTTTTAAAAAAAAAAAAAAAAAACTGAGA<br/>         CTAGCTCTAGATTGCGGCCGCGGTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCC<br/>         CTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAG<br/>         CCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGCTCTCTATAATAT<br/>         ATGGTGAGGGGNNNGGNNNNNNNNAACAAGGGNAAAATTGGAGAAAACACCTGTAGGGC<br/>         CTGCGGGGTCTATTGGGACCAAGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAATC<br/>         TCCCGCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGNTGNTNGGGATTCCA<br/>         NGCATGCATGACCAGGCTCAGCTAATTTTTGTTTTTTGGTGAGAACCGGGGTTTACCA<br/>         TATTGGCCAGGCTGGTCTNCACTNCTATCTTNAGGTGATCTACCCACCTTGGCCTNCCAA<br/>         ATGCTTGGATTACAGGCGGTGAACACCTGCTCCTTNCCCTGTCTTCTGATTTTAAATAC<br/>         TATACACNGGGGAGGACGTCAGACCAAAATAGGCTACCTGGGCATGCCAACGGGGGAAAA<br/>         TTTNANTTGCTGCTGGCCA</p> |


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| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_032391 unedited</p> <pre> NGGTATATCTATGNACCGCGCCGATTCTAGNACTAGTCTCAGTTTTTTTTTTTTTTTTT TAAAAAATTTTATTGTATAAATAGAGACAGCGTCTTGCTACATTGCCAGGCTGGTCTGG AACTCCTGTGCTCAAGGAATCTTCCTGCCTCGGCCTCCCGAAATCCAGAATTACAGGCT GAGCCATCACTCCTGGTCTCGCCAGTAGATGTTTCAAAGTAGATGTTTCTTATTAGAG AGAAAAGCACTCTTGGAGGTAGTAAGATGGGCCGGTCTTGATCTGAGAAATGGGCGCAC AACATCGCTGTTCTCTCTGCAAAGGTGGGACCAGAATCCAGCTTGCTGACCTTGCAAG CAGGCATCGGCCTAAAGGTTTCAGCCTCCAGTGGCGCTCTGTTTGCCTCGTGCCGAATT CGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTCACTAACGAGCTCTG CTTATATAGACCTCCACCGTACACGCCTACCGCCATTGCGTCAACGGGGCGGGGTTA TTACGACATTTTGAAAGTCCCGTTGATTTTGGTGCCAAAACAACTCCATTGACGTCA ATGGGGTGGAGACTTGGAAATCCCGTGAGTCAAACCGCTATCCACGCCATTGGTGTAC TGCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTAGATGTACTGCCAAGTA GGAAAGTCCCGTAAGGTATGTACTGGGCATAATGCCAGGCGGGCCATTTACCGTCATTG ACGTCAATAGGGGGCGGACTTGGCATATGATACACTTGATGTACTGCCAAGTGGGCAGT TTACCGTAAATACTCCCCATTGACGTCCATGGAAAGTCCCTATTGGCGTACTATGGGAA CATACT </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>                        | NM_032391                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Insert Size:</b>                 | 400 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Components:</b>                  | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq:</b>                      | <u><a href="#">NM_032391.2</a></u> , <u><a href="#">NP_115767.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>                 | 403 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>                  | 174 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>                    | 84366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>                  | <u><a href="#">Q96KF2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b>                | 17q21.32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**Gene Summary:**

This gene is reported to be specifically expressed in prostate, rectum and distal colon. Sequence analysis suggests that it may play a regulatory role in the nucleus. [provided by RefSeq, Jul 2008]