

## Product datasheet for **SC307241**

### GPR180 (NM\_180989) Human Untagged Clone

#### Product data:

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:        | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Name:        | GPR180 (NM_180989) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                 | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Symbol:              | GPR180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms:            | ITR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Vector:              | <u>pCMV6 series</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Fully Sequenced ORF: | <p>&gt;NCBI ORF sequence for NM_180989, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGGGGGGCTGCGGCTGCTGGCTGTGGCCCTCACGTGCTGCTGGTGGCCGACGGGCAGC CAGGGTAAGACCCTGCGGGGACGCTTCAGCAGCACCGCGGCCAGGACGCCAGGGCCAG CGCATCGGCCACTTCGAGTTCCATGGTGACCATGCTCTTCTGTGTGCAGAATCAACAAC ATAGCAGTAGCTGTTGAAAAGAAGCTAACTCTACCTGTTCCAAGCCCAGGAATGGCTA AAGCTACAGCAAAGCAGTCATGGTTATAGCTGTAGTGAAAAATTATCCAAAGCTCAGTTG ACAATGACCATGAACAGACCGAACATAATCTGACAGTGTCCAGATTCCGTCTCCACAA ACGTGGCATGTGTTTTATGCAGACAAGTATACATGCCAAGATGACAAGGAGAATTCTCAG GTGGAAGATATCCATTTGAAATGGTGTTACTAAACCCAGATGCCGAAGGGAATCCATTT GATCATTTTAGTGCTGGAGAATCTGGGTTACATGAGTTCTTTTCTCCTAGTCCTAGTG TACTTTGTGATTGCTTGCAATTTATGCTCAATCATTGTGGCAGGCTATTAAGAAAGCGGA CCCATGCACATGATTTTAAAGGTTCTGACAACATGCAATGCTGTTACAAGCTGGTTCAGCT TTAGCTAATTACATTCATTTCTCCAGTTACTCCAAAGATGGAATAGGGGTACCATTTATG GGAAGTTTGGCAGAATTTTGGACATCGCTTCCAAATTCAGATGTTATACTTACTTTTG AGTCTATGCATGGGTTGGACAATAGTCAGAATGAAGAAGTCTCAAAGCAGACCTCTCCAG TGGGATTCTACGCCTGCATCCACTGGCATTGCAGTATTGATGTCATGACACAGAGTGTT TTGCTACTTTGGGAACAGTTTGAAGATATCAGTCATCATAGCTACCATTACACCACAAC TTAGCAGGGATCCTCCTAATTGTTCTAAGAATTTGCCTAGCATTGTCATTAGGCTGTGGA CTCTATCAGATCATCACAGTGGAGAGAAGTAACTCAAAGGGAGTTCTACATCACATTT GCCAAAGGCTGTATCTTGTGGTTTTATGCCATCCAGTTCTTGCATGCATTTCTGTCATT TTAGCGACTACCAAAGAGACAAGGTTATTACAATAGGTGTTATCCTTTGCCAGTCTGTT TCCATGGTTATTCTCTACAGACTCTTCTGTCTCACAGTCTATACTGGGAAGTTTCTTCA CTTCTTCAGTAACACTACCACTGACCATATCATCTGGACACAAAAGTCGCCCTCATTTCT TGA </pre> |
| Restriction Sites:   | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACCN:                | NM_180989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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| <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>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                      |
| <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>NM_180989.3, NP_851320.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 3871 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1323 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 160897                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q86V85</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 13q32.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Summary:</b>          | This gene encodes a protein that is a member of the G protein-coupled receptor superfamily. This protein is produced predominantly in vascular smooth muscle cells and may play an important role in the regulation of vascular remodeling. [provided by RefSeq, Jul 2008]                                                                                                                                                                                                                                              |