

## Product datasheet for **RN209334**

### Cracr2b (NM\_001127541) Rat Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Cracr2b (NM_001127541) Rat Untagged Clone                                          |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Cracr2b                                                                            |
| Synonyms:                 | Efcab4a; RGD1560911                                                                |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN209334 representing NM_001127541<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCAGCCCTGGGCCCTGGAGCTGGGCAGGGCCAGGAGGAAGAGGAGGGCAGGAGTCTCAGCAG  
 GACATCAAGCAGAGGTGCTGCAGCAGGCCAGGAGCTCTTTGTCCTGTGTGACAAGGACGCCAAGGGCTT  
 CATCACTCGTCAGGATTTGCAGGGTCTGCAGAGTGATCTCCCTTACACCTGAACAGCTGGAGGCTGTG  
 TTTGAAAGTCTGGACCAGGCCACACTGGCTTCTTGACAGCCCGGAGTTCTGTCTAGGCCTGGGAAAT  
 TTGTGGGGTGGAGTCGGTCCCAGGTAGAGCCCCCTTGAGGACACCTGAGGAAACCTTTGAGTCGGGCAC  
 AGGGGGCTCTCTGGAGGAGGAGGACGATGTAGAAACATTCTACACTTCCTTGGAGAAGCTAGGAGTGGCC  
 CGGGTCTCTGGGAGAGCAATGGGCTGTGAGGACACTCTGGGTCTGGGCTGCAGCGGGAGCGACCCGAGCTGT  
 TGGGTTCTCTAGAGGAAATTCTGATGCGCGCATCCGCCTGCCTGGAGGCGCGGCCCGGGAGCGCGACGG  
 TCTGGAGCAGGCACTTCGGAGGCGGGAGAGTGAACACGAGAGGGAGGTGCGCGGACTGTATGAAGAGCTG  
 GAGCAGCAGCTTCGGGAGCAGCGACAGCGCCGGCAGAGTCAGAACCACCCCGGGAGGAAGAGAGGGGCC  
 ACCTGGAGCTGGAGCTGCAGACCCGAGAGCAGGAGTTGGAGCGCGCAGCCCTGAGGCAGCGAGAGTTGGA  
 ACAGCAGCTGCAAGCCCCGGGCTGCAGAACAGCTAGAGGTACAAGCCAGCACATCCAGTTGCAGAGGGCC  
 TATGAGGCTTACGGGCACAGCTGGACCAGGCGCAAGAGCAGCTCATCCGACTGGAGGGCGAAGCACAGG  
 GTCGTCAGGAGCAAACCCAAAGAGATGTGGTTGCTGTCTCCAGGAACATGCAAAAAGAGAACTCAGCCT  
 CCTAAGGCAGCTGGAGCTGCTGAGGGAGCTGAATCTGAGGCTTCGAGATGAGAGAGATGCCTGTGAGACT  
 AAGCTGCTGGGCAGTAGCCACAGGAAGGCTCTAGCTATCGCCACAAGCCGGGACCTATCTACTGCTGCT  
 GTTGTGTGGCTGGGCTCGGCCCCAGACGAGGCTCTGGCCATCTTCTAGTGCCCGA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>                  | NM_001127541                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 1182 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>NM_001127541.1, NP_001121013.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 1599 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1182 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 309112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>B0BNK9</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 1q41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Plays a role in store-operated Ca(2+) entry (SOCE).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                      |