

Product datasheet for **MC220289**

Rapgef1 (NM_001080925) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rapgef1 (NM_001080925) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rapgef1
Synonyms:	B230105J10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220289 representing NM_001080925
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCACTGGAGAAATTTTGAAGAAGCAGACGTCTCAGCTGGCGGGGCGAGCGGTGACTGGAGGTC
 CCGGCGGGGTCCGGTTGCTGCGGAGGGCCTGGAGGGGTGGGGCCCTGGTGGGGGCGGCGGTCCGGC
 CGGGGACTGCGCCACTGCAGCGCGTCAAGCGTGTCTCGCCTGCTGCCAGCTTTCTCCGAGAG
 CCCCCAACCGAGCCCGGCTGGAGCCGCCGTTGAGGAGGAAGGGGAGAGCCATTAGGGGTCTCTGAGG
 AGCCGGGAGTGGGGGCGCTGTTGGCTGCAGCTAGAGGAGGTTCCCGGGCCTGGCCGATAGGATCTGG
 GGTGCCCTGCGCTCTCTTCTCGTACTCCTCAGATGAGCTATCCCCGGCGAACCCCTGGCTTACCA
 CCCTGGGCCCCCTGGGCGCCCCGAGCGGCCAGAGCATCTTCTGAACCGGTTCTGGAGCGCTGGCTG
 GAGGGACCACCAGGACAGCAGCGCCTCAGATATTCTTCTTGACGACATTGTTCTTACCCATTCCCTCTT
 CCTGCCAACAGAAAAGTTTCTACAAGAGCTACACCAGTACTTTGTTCAAGGAATGTGGAGGGTCCA
 GAGGGGCTGGGTGGAAGCAAGCCTGCCTTCTCTCTCCATTTCTGGATACCTACCAAGGACTTC
 TGAAGAGGAAGAAGGGGCCGACATTATCAAGGAAGTGTATCTACTAATTATGAAGGATGAGTCTCT
 TTACCAGGACCTCCGAGAGGACACACTGAGGCTACACCAGCTGGTGGAGACAGTGGAGCTAAAGATTCCA
 GAAGAGAGCCAGCCGCCAGCAAGCAGGTTAAGCCGCTTCCGACACTCCGCCGGATAGATTCTGTCT
 TGCAGACCCGAGTGGCATTACAGGGGCTCCGATGAGATTTCTGCCGAGTCTACATGCCTGACCACTT
 AAGCGTGTACAGCTGCTTAAAGAAGTTCATCAAGATCGCAGCCATCTGCAAGCAGAACCAGGACCTGCTGT
 CCTTCTATGCTGTGGTCAATGGGCTGGACAATGCGGCTGTGAGCCGCTGCGGCTCACCTGGGAGAAGCT
 GCCAGGAAATCAAGAACCTGTTCCGTAATTTGAGGGCTTGACGGACCCTGCCGAACCATAAAAGC
 TACAGAGAAGTCACTCCAAAATGAAGCCCCCTGATTCCGTTGTCGCCCTGATCCTCAAAGACCTGA
 CCTTCTACATGAGGGGAGCAAGACCCTCGTAGATGGTCTGGTGAATATTGAGAAGCTGCATTAGTGGC
 CGAGAAAGTGAGGACAATCCGAAAATACCGGAGCCGGCCCTCTGCCTGGACATGGAGGCATCCCCACAT
 CACCTGCAGACCAAGGCGTACGTGCGCCAGTTCAGGTATCGACAACCAGAACCACCTCTTTGAGCTCT
 CCTACAAGTTGGAGGCTAATAGTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001080925
- Insert Size:** 1989 bp
- OTI Disclaimer:** 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).
- Components:** 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001080925.1](#), [NP_001074394.1](#)

RefSeq Size: 4163 bp

RefSeq ORF: 1989 bp

Locus ID: 268480

UniProt ID: [Q68EF8](#)

Cytogenetics: 11 D

Gene Summary: Probable guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]