

Product datasheet for **MC209294**

Rasgrf1 (NM_001039655) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rasgrf1 (NM_001039655) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rasgrf1
Synonyms: AI844718; CDC25; CDC25Mm; Gnnp; Grf1; Grfbeta; p190; P190-A; p190RhoGEF; Ras-GRF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209294 representing NM_001039655
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAAAGCCATCCGGCTTAACGATGGCCACGTCGTGACCCTGGGACTGCTGGCACAGAAGGACGGCA
CGCGCAAAGGCTACCTGAGCAAGAGGAGTGGGACAACCCAAAATGGCAAACCAAGTGGTTTGCCCTGCT
CCAGAACCTGCTTTTCTACTTCGAAAGCGACTCCAGCCCTCGGCCCTCGGGGCTCTACCTGCTCGAGGGA
AGTATCTGTAAACGCGCGCCCTCCCCAAGCGAGGGACCTCCTCCAAGGAGTCCGGCGAGAAACAGCGTC
ATAGCAGGAGTCGACGTCGACGTAATGTTCTGAGAAGACAACCAACCAGGATCTCAAAAACATTCAGGCT
GGTGGCAATTGAATTGACTGGGATGACAGCCACCTTGAAGTCTCCTTCCATAATTAGGACAGAGATC
GGTACCGTTGCTCCAGCTCCACAGACATGGATGGGAAAGCCAGAAGACTTGACAACGCTGCGTGACAGAG
TGGAGTCGAAGCGTCTCTCCACCATCCCTGTAGATTGATCATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001039655
Insert Size: 537 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001039655.1, NP_001034744.1</u>
RefSeq Size:	1000 bp
RefSeq ORF:	537 bp
Locus ID:	19417
Cytogenetics:	9 47.31 cM
Gene Summary:	Promotes the exchange of Ras-bound GDP by GTP.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks multiple 3' coding exons and uses an alternate 3' terminal exon, compared to variant 1. The resulting protein (isoform 2, also known as GRF beta) is shorter and has a distinct C-terminus compared to isoform 1.