

Product datasheet for **RN211958**

Rasgrf1 (NM_001105753) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rasgrf1 (NM_001105753) Rat Untagged Clone
Tag: Tag Free
Symbol: Rasgrf1
Synonyms: GNRP; P140 RAS-GRF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211958 representing NM_001105753
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGAAAGCCATCCGACTGAACGATGGCCACGTCGTGTCCCTGGGACTGCTGGCCAGAGAGACGGCA
CGCGCAAAGGCTACCTGAGCAAGAGGAGTTCGGACAACCCAAAATGGCAAACCAAGTGGTTTGCCTGCT
GCAGAACCTGCTCTTCTACTTCGAAAGTGACTCGAGCTCTCGGCCCTCGGGGCTCTACCTGCTGGAGGGC
AGTATCTGCAAACGCATGCCCTCCCCAAGCGAGGGACCTCCTCCAAGGAGTCCGACAAACAGCGTCATA
GCAGGAGTGGACGTCGACGTAATGTTCTGAGAAGACAACCAACCAGAATCTCAAAAACATTCAGGCTGGT
GGCAATTGAATTGACTGGGATGGCAGCCACCCTTGAAGTCTCCTTCTCCATAATTAGGACAGAGATCTGT
ACTGTTTCTCCAGCTCCACAAACAAGGATGGGAAACCCAGAAGACTTGTGACGCGCTGCGTGACAGAGTGG
AGTCGAAGCGTCTTCCACCATCCCTGTAGATTGATCATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001105753
Insert Size: 534 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_001105753.1, NP_001099223.1</u>
RefSeq Size:	1395 bp
RefSeq ORF:	534 bp
Locus ID:	192213
Cytogenetics:	8q31
Gene Summary:	a paternally expressed imprinted gene [RGD, Feb 2006] Transcript Variant: This variant (2) uses an alternate splice pattern in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a substantially shorter and distinct C-terminus, compared to isoform 1.