

Product datasheet for **MG223621**

Rasgrf1 (NM_001039655) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rasgrf1 (NM_001039655) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rasgrf1
Synonyms: AI844718; CDC25; CDC25Mm; Gnnp; Grf1; Grfbeta; p190; P190-A; p190RhoGEF; Ras-GRF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223621 representing NM_001039655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGAAAGCCATCCGGCTTAACGATGGCCACGTCGTGACCCTGGGACTGCTGGCACAGAAGGACGGCA
 CGCGCAAAGGCTACCTGAGCAAGAGGAGTGGGACAACCCAAAATGGCAAACCAAGTGGTTTGCCCTGCT
 CCAGAACCTGCTTTTCTACTTCGAAAGCGACTCCAGCCCTCGGCCCTCGGGGCTCTACCTGCTCGAGGGA
 AGTATCTGTAAACGCGGCCCTCCCCAAGCGAGGGACCTCCTCAAGGAGTCCGGCGAGAAACAGCGTC
 ATAGCAGGAGTCGACGTCGACGTAATGTTCTGAGAAGACAACCAACCAGGATCTCAAAAACATTCAGGCT
 GGTGGCAATTGAATTGACTGGGATGACAGCCACCTTGAAGTCTCCTTCCATAATTAGGACAGAGATC
 GGTACCGTTGCTCCAGCTCCACAGACATGGATGGGAAAGCCAGAAGACTTGACAACGCTGCGTGACAGAG
 TGGAGTCGAAGCGTCTCTCCACCATCCCTGTAGATTGATCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223621 representing NM_001039655
 Red=Cloning site Green=Tags(s)

MQKAIRLNDGHVVTGLLLAQKDGTRKGYLSKRSADNPKWQTKWFALLQNLIFYFESDSSPRPSGLYLLEG
 SICKRAPSPKRGTSKESGEKQRHSRSTRRRNVLRRQPTRISKTFRLVAIELTGMTATLEVSFSIIRTEI
 GTVAPAPQTMGKPEDLTTLRDRVESKRLFHHPCLII

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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]