

Product datasheet for MC225137

Ralgapa1 (NM_001112714) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ralgapa1 (NM_001112714) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ralgapa1
Synonyms: 2310003F20Rik; 4930400K19Rik; AI563624; Garnl1; GRIPE; mKIAA0884; Tulip1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225137 representing NM_001112714
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCTCTAAGAAGCCGCACGGGGACGTGAAGAAGTCCACCCAGAAGGTGCTGGACACCAAGAAGGACG
 CGCTGACCCGCCCAAGCACCTGCGCATCGTCATCGAGAATGCAGAATCTATTGACCTTAAACAGTTTTT
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 CACTGATTCCATTGTATCAAAATTTCTATGAGGAGAGACGCGTACCTGCAGACAATTGTCCAGCACCA
 TTTAGAGCCAACAACATTTGAAGACTTTGCAGCACAGTTTTCTCCAGCTCCCTACCATCATTCCCT
 GCTGACGCAGATCATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001112714
Insert Size:	6108 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:	<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_001112714.2, NP_001106185.1</u>
RefSeq Size:	8277 bp
RefSeq ORF:	6108 bp
Locus ID:	56784
UniProt ID:	<u>Q6GYP7</u>
Cytogenetics:	12 C1

Gene Summary:

Catalytic subunit of the heterodimeric RalGAP1 complex which acts as a GTPase activator for the Ras-like small GTPases RALA and RALB (By similarity). May interact with the HLH region of TCF3/isoform E12.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) lacks an in-frame exon in the 5' coding region and a 3 nt exon in the 3' UTR, compared to variant 4. The resulting isoform (2) lacks an internal segment, compared to isoform 4. Variants 1 and 2 encode the same isoform 2.