

Product datasheet for MR231912

Ralgapa1 (NM_001286263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgapa1 (NM_001286263) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ralgapa1
Synonyms:	2310003F20Rik; 4930400K19Rik; AI563624; Garnl1; GRIPE; mKIAA0884; Tulip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231912 representing NM_001286263 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTCTAAGAAGCCGCACGGGGACGTGAAGAAGTCCACCCAGAAGGTGCTGGACACCAAGAAGGACG
CGCTGACCCGCCCAAGCACCTGCGCATCGTCATCGAGAATGCAGAATCTATTGACCTTAAACAGTTTTT
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CCACAGAACAGAATATTCAAGCTGGCACTCAGGCCGTTTTGCAGGTGTTTATTATAAACTCATCGAACAT
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Protein Sequence:

>MR231912 representing NM_001286263

Red=Cloning site Green=Tags(s)

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 DNCSKEQLWMFSLIPGFSAPQSEYGPRTLNDL INPPLSLQETQVTIEEVTPLVPPQSGDKGQEDLTSYF
 LEALLKYIVIQVKSLEWKNKENQERGFSLF SHFKKFYLPYIFPNICKENSLYHPVLDIPQIRPKPHYVM
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 TQMQQGLISIAARTVITHLVNHLGHYPMSSGGPAMLT SQVCENHDNHYSESTELSPELFESPNIQFFVLNN
 TTLVSCIQIRSEESMPGGGLAAGLVSANSNVRIIVRDL SGKYSWDSAILYGPPIVSGLPEPTSFILSMSD
 QEKPEEPPTSNECLEDI AVKDGLSLQLRRFRETVPWTSTIREEEDVLDLQYLGTTSPECLQRTGISLN
 VPAPQPLCISEKQENDVINAILKQYTEEKEFVEKHFNDLNMKASEQDEPTQKQSAFYCRLLLSILGM
 NSWDKRRSFHLLKNEKLLRELRLNDSRQCRETHKIAVFVVAEGQEDKYSILTNIIGGSQAYEDFVAGLW
 EVNL TNHCGFMGGLQKNRSTGLTTPYFATSTVEVIFHVSTRMPSDSDSLTKKLRHLGNDEVHIVWSEHT
 RDYRRGIIPTEFGDVLIVIYPMKNHMF SIQIMKKPEVPPFGPLFDGAIVNGKVLPI MVRSTAINASRALK
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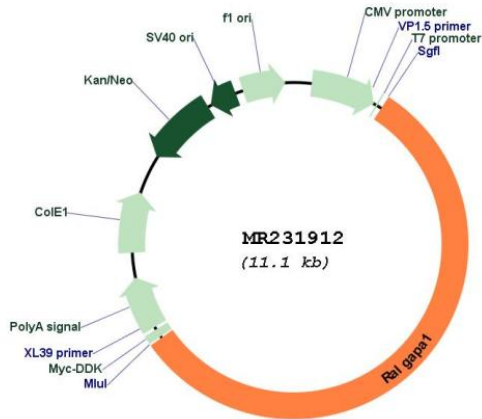
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286263

ORF Size: 6246 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001286263.1</u> , <u>NP_001273192.1</u>
RefSeq Size:	8421 bp
RefSeq ORF:	6249 bp
Locus ID:	56784
UniProt ID:	<u>Q6GYP7</u>
Cytogenetics:	12 C1
MW:	234.9 kDa
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]