

Product datasheet for **MC229701**

Ralgapa1 (NM_001286263) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgapa1 (NM_001286263) 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:	>MC229701 representing NM_001286263 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCTCTAAGAAGCCGCACGGGGACGTGAAGAAGTCCACCCAGAAGGTGCTGGACACCAAGAAGGACG
CGCTGACCCGCCCAAGCACCTGCGCATCGTCATCGAGAATGCAGAATCTATTGACCTTAAACAGTTTTT
TGACCAACATTTTTACATATATACTATGTGTTTTTTGAAAATTTGTGACTATTGAAGCTAGTCTTAAA
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TTCTTCCAGAAAGAATTCATCAGCGATGGCAATCCATAGTATTGGGTTGATTTTAAAGAACTACTGCA
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CCACAGAACAGAATATTCAAGCTGGCACTCAGGCCGTTTTGCAGGTGTTTATTATAAACTCATCGAACAT
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 ATTTAGAGCCAACAACATTTGAAGACTTTGCAGCACAGGTTTTCTCTCCAGCTCCCTACCATCATTCCC
 TGCTGACGCAGATCATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286263
- Insert Size:** 6249 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:**
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:** [NM_001286263.1](#), [NP_001273192.1](#)
- RefSeq Size:** 8421 bp
- RefSeq ORF:** 6249 bp
- Locus ID:** 56784
- UniProt ID:** [Q6GYP7](#)

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 (4) encodes isoform 4. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.