

## Product datasheet for **MC228127**

### Ralgps1 (NM\_001290572) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ralgps1 (NM_001290572) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ralgps1
Synonyms:	5830418G11Rik; AI853783; AI854138; mKIAA0351; RALGEF2; RalGEF 2; RALGPS1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228127 representing NM\_001290572  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTACAAGAGGAATGGTCTGATGGCTAGCGTGTGGTCACTCTGCCACTCCACAGGGCAGCAGCAGCT  
 CAGACTCGCTGGAGGGCCAGAGCTGCGACTATGCCAGCAAGAGCTACGATGCTGTCGTCTTCGACGTCTT  
 GAAAGTACTCCCGAGGAGTTTGCCAGTCAGATCACATTGATGGACATCCCCGTGTTCAAAGCCATCCAG  
 CCAGAGGAGTTGGCCAGTTGTGGATGGAGTAAAAAGGAGAAAACACAGTCTTGCCCCAACGTCGTGGCCT  
 TTACCCGGAGGTTCAACCAGGTCAGTTTTTGGGTCGTACGAGAAATCTAACAGCACAGACTTTAAAAAT  
 AAGGGCAGAAATCCTGAGCCATTTGTGAAAATAGCCAAGAACTTCTAGAAGTGAACAACCTTCATTCT  
 CTCATGTCTGTGGTGTGAGCATTACAAAGTCTCCATCTTCAGGCTGACAAAAACCTGGGCTCTTTTGA  
 ATCGAAAAGACAAGACTACTTTTGAGAACTTGACTACCTGATGTCCAAAGAAGACAACACAAGCGAAC  
 CCGGGACTACATCCGAAGTCTGAAGATGGTGGCCAGCATTCCCTATCTAGGAATCTACCTTCTGGACTTG  
 ATCTACATTGATTCTGCATACCCTGCCTCTGGCAGCATCATGGAAAACGAACAACGATCCAACCAGATGA  
 ACAACATCCTCCGAATCATTGCCGATTTACAAGTTTCTGTAGCTATGATCACCTCACTACCCTGCCACA  
 TGTGCAAAAGTACCTGAAGTCTGTGCGCTACATCGAGGAGCTCCAGAAGTTTGTAGAAGATGATAATTAC  
 AAGTTGTCACTCAGAATCGAACCAGGAAGCAGCTCTCCAAGACTAGTTTCGTCCAAGGAAGATCTTGACG  
 GCCCTCTGCCGGCTCCAGCTCAGCCAGGTTCCGCCGGAGGCCACCTGTCCAGATACATCTGTGGCCGG  
 CAGCCTCCCCACACCGCCAGTCCCAGACACAGGAAGAGCCACAGCCTAGGCAACAACAGGGGACGTCTT  
 TATGCCACGCTGGGACCTAACTGGCGGTTCCAGTTCGGAATCTCCAGAACTCGGAGCTGTGTCTACA  
 GCCCCACGAGCCCTTGCACCTGTACTGTGGGAAGCTCAGCCACTGTGCCACTATGGAGGGGCTCTGAG  
 ACGGAAAACCTGCTCAAGGAAGGCCGGAAGCCTGCACTGTCTCGTGGACCAGGTACTGGGTTGTACTC  
 TCAGGAGCCACCCTCCTTTACTATGGAGCCAAGTCTTTGCGGGTACAGACAGAAAAATTATAAATCTA  
 CACCTGGCAAGAAGTCTCCATCGTAGGCTGGATGGTGCAGCTGCCAGATGACCCCGAGCACCCAGATAT  
 CTTCCAGCTGAATAACCCTGACAAAGGCAATGTTTACAAGTTCAGACGGGCTCCCGTTCCATGCGATA  
 CTGTGGCACAAGCATTGGATGATGCATGTAAAAGCAGCAGGCCCTCAGGTACCTGCAAACCTTATGTCCT  
 TTGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001290572

**Insert Size:** 1548 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\\_001290572.1](#), [NP\\_001277501.1](#)

**RefSeq Size:** 6131 bp

**RefSeq ORF:** 1548 bp

**Locus ID:** 241308

**UniProt ID:** [A2AR50](#)

**Cytogenetics:** 2 B

**Gene Summary:** Guanine nucleotide exchange factor for the small GTPase RALA. May be involved in cytoskeleton organization.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks two exons that result in the loss of an in-frame segment in the 3' coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a.