

Product datasheet for **SC108378**

RALGPS2 (NM_152663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALGPS2 (NM_152663) Human Untagged Clone
Tag:	Tag Free
Symbol:	RALGPS2
Synonyms:	dj595C2.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152663, the custom clone sequence may differ by one or more nucleotides

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ATGGACCTAATGAACGGGCAGGCAAGCAGTGTCAATATTGCAGCTACTGCTTCTGAGAAAAGTAGCAGCT
CTGAATCCTTAAGTGACAAAGGCTCTGAATTGAAGAAAAGCTTTGATGCTGTGGTATTTCGATGTTCTTAA
GGTTACACCAGAAGAATATGCGGGTCAGATAACATTAATGGATGTTCCAGTATTTAAAGCTATTCAACCA
GATGAGCTTTCAAGTTGTGGATGGAATAAAAAAGAAAAATATAGTTCTGCACCAATGCAGTTGCCCTTCA
CAAGAAGATTCAATCATGTAAGCTTTTGGGTTGTTAGAGAGATTCTTCATGCTCAAAACATTTAAAAATTAG
AGCAGAAGTTTTGAGCCACTATATTAAGCTGCTAAGAACTGTATGAGCTGAATAACCTTCATGCAGCTT
ATGGCAGTGGTTTCTGGCCTACAGAGTGCCCAATTTTTCAGGTTGACTAAAACATGGGCGTTATTAAGTC
GAAAAGACAAAACCTTTTGAAGAAATAGAATATGTAATGAGTAAAGAAGATAACTACAAAAGACTCAG
AGACTATATAAGTAGCTTAAAGATGACACCTTGCAATTCCTATTTAGGTATCTATTTGTCAGATTTAACA
TACATCGATTGAGCATACCCATCAACTGGCAGCATTCTAGAAAATGAGCAAGATCAAATTTAATGAATA
ATATCCTTCGAATAATTTCTGATTACAGCAGTCTTGTAATATGATATTCCTATGTTGCCCTCATGTCCA
AAAATATCTCAACTCTGTTTCAGTATATAGAAGAACTACAAAAATTTGTGGAAGACGATAATTACAAGCTT
TCATTAAGATAGAACCAGGGACAAGCACCCACGTTCTGCTGCTTCAGAGAAGATTTAGTAGGTCCTG
AAGTAGGAGCGTCTCCACAGAGTGGACGAAAAAGTGTGGCAGCTGAAGGAGCCTTGCTCCACAGACACC
GCCATCCCCTCGGAATCTGATTCCACATGGACATAGGAAGTCCATAGTTTGGGTATAATTTTCATTCAT
AAAATGAACACAGCAGAAATTAAGAGTGCAACGTTTCCAAATGCAGGACCAAGACATCTGTTAGATGATA
GCGTCATGGAGCCCCATGCGCCATCTCGAGGCCAAGCTGAAAGTTCTACTCTTTCTAGTGAATATCAAT
AGGTAGCAGCGATGGTTCTGAACAAAGTGAAGAGACCTCATGGCCTGCTTTTGAAGGAACAGATTATAC
CATTCTCTCGGCCCGGTGACAAGAGTGGCAGCAAAATGGCTATCGAAGTCACATGAAGGCCAGCAGTTCTG
CAGAATCAGAAGATTTGGCAGTACATTTATATCCAGGAGCTGTTACTATTCAAGGTGTTCTCAGGAGAAA
AACTTTGTAAAAGAAGGCAAAAAGCCTACAGTAGCATCTTGACAAAATATTGGCAGCTTTGTGTGGG
ACACAGCTTTTTTACTATGCTGCCAAATCTCTAAAGGCTACCGAAAGAAAACATTTCAAATCAACATCCA
ATAAGAACGTATCTGTGATAGGATGGATGGTGATGATGGCTGATGACCCTGAACATCCTGATCTCTTCCT
GCTGACTGACTCTGAGAAAGGAAATTCGTACAAGTTTCAAGCTGGCAATAGAATGAATGAATGTTATGG
TTTAAGCATTTGAGTGCAGCCTGCCAAAGTAACAAACAACAGGTTCTACAACTTGATGACTTTTGAGT
AG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152663 unedited

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ATAGGCGGCCCGGAATTCGCACGAGGGCGGCGGCGGCGGCTGCTGCGGGCGCTGAA
TGAGAGACGGTGACTGTTTCGGGTCGACGAGTGCTACTCTAGGCGGCGGCGGCGGCTGGCGG
TGAAGCGTGAGGCCGGCATCGTCTTTCCGTCCTCTGAGGCGACGCGCGGCGGCTGCACAGG
AATAATGTATTTGTGGCCTTGACATGAGGCAGTCAGTCTCTGTTGCTGTTAACATAAG
GTCAGGGACTGATGAGGAAAGCATGGACCTAATGAACGGGCAGGCAAGCAGTGTCATAT
TGCAGCTACTGCTTCTGAGAAAAGTAGCAGCTCTGAATCCTTAAGTGACAAAGGCTCTGA
ATTGAAGAAAAGCTTTGATGCTGTGGTATTTCGATGTTCTTAAGGTTACACCAGAAGAATA
TGCGGGTCAGATAACATTAATGGATGTTCCAGTATTTAAAGCTATTCAACCAGATGAGCT
TTCAAGTTGTGGATGGAATAAAAAAGAAAAATATAGTTCTGCACCAATGCAGTTGCCTT
CACAAGAAGATTCAATCATGTAAGCTTTTGGGTTGTTAGAGAGATTCTTCATGCTCAAAC
ATTAATAAATTAGAGCAGAAGTTTTGAGCCACTATATTAAGCTGCTAAGAACTGTATGA
GCTGAATAACCTTCATGCACTTANTGGCAGTGGGTTTCTGGCCTACAGAGTGCCCAATT
NTCANGTTGACTAAACATGGGCGGTATCTATTTGTCAGATTTACATACATCGATTACGCA
TACCCATCAACTGGCAGCATTCTAGAAATGAGCCAAGGATCAATTAATGAATAATATCCT
TCGAATAATNTCTGATTACCAGCAGNCTTGGGATATGATATTTCCATGGTGCCTCATGTC
AAAATAATCTCACA
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Restriction Sites:

NotI-NotI

ACCN:

NM_152663

Insert Size:	3210 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:	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_152663.2</u> , <u>NP_689876.2</u>
RefSeq Size:	2458 bp
RefSeq ORF:	1752 bp
Locus ID:	55103
UniProt ID:	<u>Q86X27</u>
Cytogenetics:	1q25.2
Gene Summary:	Guanine nucleotide exchange factor for the small GTPase RALA. May be involved in cytoskeletal organization. May also be involved in the stimulation of transcription in a Ras-independent fashion (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (10) represents the longer transcript and encodes the longer isoform (1). 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.