

Product datasheet for **SC316825**

RAP1GAP2 (NM_001100398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAP1GAP2 (NM_001100398) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAP1GAP2
Synonyms:	GARNL4; RAP1GA3
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001100398, the custom clone sequence may differ by one or more nucleotides

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ATGTTTGGCCGGAAGCGCAGTGTCTCCTTTGGGGGCTTCGGATGGATCGACAAGACCATG
CTGGCAAGTCTGAAGGTCAAGAAGCAGGAGCTGGCCAACAGCTCGGATGCGACCCCTCCA
GACCGGCCGCTCTCCCCTCCTCTACGGCACCTCCCACCATGAAGTCGTGGAGTTCTTT
GAGATGCTGGAGAAAATGCAGGACGACTATATCCCATACCCAGCATCGACGAGTTGTG
GAGAAGGGAGGCCGTACCCTCAGGTCATCCTGCCACAGTTTGGGGCTATTGGATCGAG
GACCCGGAGAACGTGGGCACCCCAACATCGCTGGGGAGCAGCATCTGTGAGGAGGAGAA
GAGGACAACCTCAGCCCCAACACATTTGGCTACAAGCTCGAGTGAAGGGTGAAGCCAGG
GCCTACCGGAGGCACTTCTGGGAAGGATCATCTAACTTTTACTGTACCGGCAGCAGC
CTGGGGAACCTTGATCCTGTCCGTCAAGTGCAGGAAGCAGAGGGGATCGAGTACCTCCGG
GTCATCCTTAGGTCCAACTGAAGACGGTACATGAGCGGATCCCCTTGGCTGGACTGAGC
AAGCTTCCAGTGTCCCTCAGATTGCAAAGGCTTCTGTGATGATGCAGTGGGACTGAGA
TTCAATCTGTCTGTACCCCAAGGCTCCCAAATGATTGTGTCCTATGATGAGCATGAA
GTCAACAACACATTCAAATTCGGAGTCATTTATCAAAAAGCCAGGCAGACCTGGAGGAG
GAGCTATTTGGGAACAATGAGGAGAGCCAGCTTTTAAGGAGTTCTTGGACCTGTGGGG
GACACGATCACACTGCAGGATTTCAAAGGTTTCCGAGGAGGCCTGGACGTGACCCACGGA
CAGACAGGGGTGGAATCAGTGTACACAACATTCGGGACAGGGAGATCATGTTTCACGTT
TCCACAAAGCTGCCATTTACCGACGGAGACGCCAGCAGCTCCAGAGAAAGAGACACATT
GGAAATGACATCGTGGCCATCATCTTCCAAGAGGAAAACACGCCGTTTGTCCCAGACATG
ATAGCCTCCAATTTTACATGCCTACATCGTGTGACAGTGCAGTGCAGACCCAGGCACAGAG
ACCCATCCTACAAGTCTCTGTCACTGCGCGGGAAGATGTGCCACCTTTGGTCCACCT
CTGCCAGTCCCCCGTTTTCCAGAAGGGCCCGAATTCAGGGAGTTTCTGCTACCAAG
CTACCAATGCCGAGAACGCCTGCTGCAAGTCGGACAAGTTTGCAAAGCTGGAGGACCGG
ACCAGGGCTGCCCTCTGGACAACCTTACGATGAGCTCCACGCCACACACAGGCCATG
CTGGGACTGGGCCAGAGGAGGACAAGTTTGAGAATGGAGGCCACGGGGGTTCTCTGGAG
TCTTTTAAGAGGGCCATCCGCGTACGCAGCCACTCCATGGAGACCATGGTGGCGGCCAG
AAGAAGTCGCACAGTGGGGCATCCCTGGCAGCCTCAGCGGGGCATCTCCACAACAGC
ATGGAGGTCACCAAGACCACCTTCTCGCCTCCAGTGGTGGCGCAACGGTGAAGAACCAG
TCACGGAGTCCCATCAAGCGACGCTCGGGCTTCCCCCGCCTGCACACGGGCTCAGAA
GGCCAGGGCGACAGCCGGGCACGATGTGACAGCACATCCAGCACACCCAAGACCCAGAT
GGTGGACACTCCTCTCAGGAGATAAAGTCTGAGACCTCATCCAATCCCAGCTCTCCGGAA
ATCTGCCCAACAAGGAGAAGCCCTTATGAAGTTGAAGGAAAACGGCCGTGCCATCTCC
CGCTCCTCCTCCAGCACCAGCAGCGTCAGCAGCACTGCAGGGGAGGGCGAGGCCATGGAG
GAGGGCGACAGTGGGGCAGCCAGCCGTCCACGACCTCACCTTCAAGCAGGAGGTGTTT
GTCTACAGCCCGTCCCCGAGCAGCGAGAGCCCCAGCCTGGGGGACAGTCCACCCCGATC
ATCATGAGCCGGAGTCCCACAGATGCCAAAAGCAGAACTCCCCGAGATCGAACCTGAAA
TTCCGCTTTGACAAGCTCAGCCATGCCAGCTCTGGTGGGGTAC

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Restriction Sites: Please inquire

ACCN: NM_001100398

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001100398.1</u> , <u>NP_001093868.1</u>
RefSeq Size:	6635 bp
RefSeq ORF:	2148 bp
Locus ID:	23108
UniProt ID:	<u>Q684P5</u>
Cytogenetics:	17p13.3
Gene Summary:	<p>This gene encodes a GTPase-activating protein that activates the small guanine-nucleotide-binding protein Rap1 in platelets. The protein interacts with synaptotagmin-like protein 1 and Rab27 and regulates secretion of dense granules from platelets at sites of endothelial damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1. This variant is also known as variant a, as described in PMID: 15632203. 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.</p>