

Product datasheet for **SC316779**

RAP1GDS1 (NM_001100428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAP1GDS1 (NM_001100428) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAP1GDS1
Synonyms:	GDS1; SmgGDS
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001100428, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGATAATCTCAGTGATACCTTGAAGAAGCTGAAGATAACAGCTGTTGACAAGACT
GAGGATAGTTTAGAAGGATGCTTGGATTGTCTGCTTCAAGCCCTGGCTCAAAATAATACG
GAAACAAGTGAAAAATCCAAGCAAGTGAATACTTCAGCTGTTTGCAAGCTGTTGACT
CCACAGCTTCTCTGCAAAGCCAAAGTAGCTAACATCATAGCAGAAGTAGCCAAAAATGAG
TTTATGCGAATCCATGTGTGGATGCTGGATTGATTTACCAGTGGTGCAGCTGCTAAAT
AGCAAAGACCAGGAAGTCTGCTTCAAACGGGCAGGGCTCTAGGAAACATATGTTACGAT
AGCCATTCGCTTCAAGCTCAGCTTATCAATATGGGTGTTATTCCTACCTTAGTGAATTA
CTGGGCATCCACTGCCAAATGCAGCTCTTACAGAAATGTGTCTTGTTCATTTGGTAAT
TTAGCAGAACTTGAGTCAAGTAAAGAACAGTTTGCCAGTACAAACATTGCTGAAGAGCTA
GTAAAACCTCTTCAAGAAACAAATAGAACATGATAAGAGAGAAATGATTTTTGAAGTTCTT
GCTCCATTGGCAGAAAATGATGCTATTAATACTACAGCTGGTTGAAGCAGGCCTAGTAGAG
TGTCTACTAGAGATTGTTGAGCAAAAAGTGGATAGTGACAAGAAGATGATATTACTGAG
CTCAAAACTGGTTCAGATCTCATGGTTTTATTACTTCTTGGAGATGAATCCATGCAGAAG
TTATTTGAAGGAGGAAAAGGTAGTGTATTTCAAAGGTAAGTCTCTTGGATCCCATCAAAT
AACCACCAGCTACAGCTTGTGGAGCATTGGCAATTGCAAAATTTGCCAGAAATGATGCA
AATTGTATTCATATGGTAGACAATGGGATTGTAGAAAACTTATGGATTTACTGGACAGA
CATGTAGAAGATGAAATGTAACAGTACAGCATGCAGCACTAAGTGCCCTCAGAAACCTG
GCCATTCAGTTATAAATAAGCAAAGATGTTATCAGCTGGGTCACAGAGGCAGTTTTG
AAATTTCTTAAATCTGAAATGCCTCCTGTTGAGTTCAAATCTGGGAACATTAAGAATG
TTAATAGATGCACAAGCAGAAGCTGCTGAACAATTGGGAAAGAATGTTAAGTTAGTGGAG
CGTTTGGTGAATGGTGTGAAGCCAAAGATCATGCTGGTGTGATGGGGAGTCAAACAGA
CTGCTGTCTGCCCTTATACGACACAGTAAATCAAAGATGTAATTAACCATTTGTGCAG
AGTGGTGGCATCAAGCATCTAGTTACCATGGCACTAGTGAACATGTAATAATGCAGAAT
GAAGCTCTTGTGCTTTGGCATTAAATAGCAGCTTTAGAATTGGGCACTGCTGAGAAAGAT
CTAGAAAGTGCTAACTTGTACAGATTTTACATAGACTGCTAGCAGATGAGAGAAGTGTCT
CCTGAAATCAAATATAATTCCATGGTCCTGATATGTGCTCTTATGGGATCTGAATGTCTA
CACAAGGAAGTACAGGATTTGGCTTTTCTAGATGTCGTATCCAAACTTCGCAGTCATGAG
AACAAAAGTGTGCCAGCAGGCCTCTCTCACAGAGCAGAGACTTACTGTGGAAGC
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Restriction Sites:	Please inquire
ACCN:	NM_001100428
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_001100428.1</u> , <u>NP_001093898.1</u>
RefSeq Size:	3623 bp
RefSeq ORF:	1680 bp
Locus ID:	5910
UniProt ID:	<u>P52306</u>
Cytogenetics:	4q23
Gene Summary:	<p>The smg GDP dissociation stimulator (smgGDS) protein is a stimulatory GDP/GTP exchange protein with GTPase activity (Riess et al., 1993 [PubMed 8262526]).[supplied by OMIM, Feb 2010]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the mid-coding region, compared to variant 1, resulting in a shorter protein (isoform 4), compared to isoform 1.</p> <p>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>