

Product datasheet for **SC316793**

RAP1GDS1 (NM_001100426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAP1GDS1 (NM_001100426) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAP1GDS1
Synonyms:	GDS1; SmgGDS
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001100426, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCAGATAATCTCAGTGATACCTTGAAGAAGCTGAAGATAACAGCTGTTGACAAGACT GAGGATAGTTTAGAAGGATGCTTGGATTGTCTGCTTCAAGCCCTGGCTCAAAAATAATACG GAAACAAGTGAAAAATCCAAGCAAGTGAATACTTCAGCTGTTTGAAGTCTGTTGACT CCACAGTCTTCTGCAAAGCCAAAAGTAGCTAACATCATAGCAGAAGTAGCCAAAAATGAG TTTATGCGAATTCCATGTGTGGATGCTGATTGATTTACCACCTGGTGCAGCTGCTAAAT AGCAAAGACCAGGAAGTGTCTTCAAACGGGCAGGGCTCTAGGAAACATATGTTACGAT AGCCATGAGGGCAGAAAGTGCAGTTGACCAAGCAGGTGGTGCACAGATTGTAATTGACCAT TTAAGGTCAGTGTGCAGTATAACAGATCCCGCCAATGAGAAGCTCTTGACTGTCTTTTGT GGCATGCTGATGAACTATAGCAATGAGAATGATTCGCTTCAAGCTCAGCTTATCAATATG GGTGTATTCTACCTTAGTGAATTACTGGGCATCCACTGCCAAAATGCAGCTCTTACA GAAATGTGCTTGTGCAATTTGGTAATTTAGCAGAACTGAGTCAAGTAAAGAACAGTTT GCCAGTACAAACATTGCTGAAGAGCTAGTAAAACCTCTTCAAGAAACAAAATAGAACATGAT AAGAGAGAAATGATTTTTGAAGTCTTGTCCATTGGCAGAAAATGATGCTATTAACATA CAGCTGGTTGAAGCAGGCCATAGTAGAGTGTCTACTAGAGATTGTTTCAGCAAAAAGTGGAT AGTGACAAAGAAGATGATATTACTGAGCTCAAACTGGTTCAGATCTCATGGTTTTATTA CTTCTTGAGATGAATCCATGCAGAAGTATTTGAAGGAGGAAAAGGTAGTGTATTTCAA AGGGTACTCTCTTGGATCCCATCAAATAACCACCAGCTACAGCTTGTGGAGCATTGGCA ATTGCAAAATTTGCCAGAAATGATGCAAATTTGATTCATATGGTAGACAATGGGATTGTA GAAAAACTTATGGATTTACTGGACAGACATGTAGAAGATGGAAATGTAAACAGTACAGCAT GCAGACTAAGTCCCTCAGAAACCTGGCCATTCCAGTTATAAATAAAGCAAAGATGTTA TCAGCTGGGGTCCACAGAGGCAGTTTTGAAATTTCTTAAATCTGAAATGCCTCCTGTTCAG TTCAAACCTCTGGGAACATTAAGAATGTTAATAGATGCACAAGCAGAAGCTGCTGAACAA TTGGGAAAGAATGTTAAGTTAGTGGAGCGTTTGGTGAATGGTGTGAAGCCAAAGATCAT GCTGGTGTGATGGGGAGTCAAACAGACTGCTGTCTGCCCTTATACGACACAGTAAATCA AAAGATGTAATTAACCATTGTGCAGAGTGGTGGCATCAAGCATCTAGTTACCATGGCA ACTAGTGAACATGTAATAATGCAGAAATGAAGCTCTTGTGCTTTGGCATTAAATAGCAGCT TTAGAATTGGGCACTGCTGAGAAAGATCTAGAAAGTGTAACTTGTACAGATTTTACAT AGACTGCTAGCAGATGAGAGAAGTGTCTCCTGAAATCAAATATAATTCCATGGTCCTGATA TGTGCTCTTATGGGATCTGAATGTCTACACAAGGAAGTACAGGATTTGGCTTTTCTAGAT GTCGTATCCAAACTTCGAGTCATGAGAACAAAAGTGTGCCACAGGCCCTCTCTCACA GAGCAGAGACTTACTGTGAAAGC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001100426
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:

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_001100426.1](#), [NP_001093896.1](#)

RefSeq Size: 3770 bp

RefSeq ORF: 1827 bp

Locus ID: 5910

UniProt ID: [P52306](#)

Cytogenetics: 4q23

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.