

Product datasheet for **SC304805**

SHROOM4 (NM_020717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHROOM4 (NM_020717) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHROOM4
Synonyms:	SHAP; shrm4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020717, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAACCGGCTGGGTCTTCCAGTACGTCCCTGTGCAGCTGCAAGGGGGGACCC
TGGGGCTTACCCTTAAGGGGGTCTGGAACACTGTGAGCCGCTCACAGTGTCTAAGATT
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TTCCGGATTCTCAAGCTGATTGTCAGGAGGAGGAACGCCCTGTCAGTAGGCCGACTCA
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AACCGGCGGAAGAGTGAGCGTTTTGCTACCAATCTGCGTAATGAAATTCAGAGGAGGAAG
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 CTCATCATTGAACAGCGAGAGCTGGAGGAGAAGATCAAGCTCGGGGAAGAGCAACTCAA
 TGTCTCAGGGAGAGTCTACTCCTGGGGCCAGCAATTTCTAA

Restriction Sites:

Please inquire

ACCN:

NM_020717

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:	NM_020717.1 , NP_065768.1
RefSeq Size:	6014 bp
RefSeq ORF:	4497 bp
Locus ID:	57477
UniProt ID:	Q9ULL8
Cytogenetics:	Xp11.22
Gene Summary:	<p>This gene encodes a member of the APX/Shroom family, which contain an N-terminal PDZ domain and a C-terminal ASD2 motif. The encoded protein may play a role in cytoskeletal architecture. Mutations in this gene have been linked to the X-linked Stocco dos Santos syndrome characterized by cognitive disabilities. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2017]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. Sequence Note: The full-length structure of this transcript is inferred from human transcripts (BC151240.1, AK127486.1 and BQ016983.1) and from homologous alignments from mouse (AK173129.1 and BC151022.1).</p>