

Product datasheet for **SC305956**

SHROOM1 (NM_133456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHROOM1 (NM_133456) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHROOM1
Synonyms:	APXL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305956 representing NM_133456.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGAGGCCCTGGGACCTGGGGGCGACCGCCCTCCCGGCCCTCGTCCACTAGCAGCCTGGACCTGTGG
CATCTGTCCATGCGCGCGGACTCGGCCTACAGCTCTTTCTCCGAGCCTCCGGCGGCCCCGAGCCGCGC
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TACGCGCTGGCGGCCGAGGCGGAGGCCGCGGCGCAGGCTGCCGAGCCGCCAGCCCGCGGCCTCGAGG
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CGCTCCGCTCGCTCAGCCACCCGGGCGGGGAGGGGAGCCGGCGGCTCCCGGCTCCCGCGCCAGGA
ACTGCCGCGCGGGTCCCTCGCAACCAGCAGCGGAAGTGGTGTCTCAGAGCCAGGAAAGCTGGAT
CGTGTGGGTGCGGGCGGTGGGCCGGCGCGGAATGCCTGGGTGAGGCCTGCTCCAGCTCTGGCCTCCCT
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AGGCTTGAACACCTGCCACCCACCTGTGCTTGACCAGCCATGTGGGCAGGGGCTCCCTGCACCAAC
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CGCCTCCTTCAGGACCAACTGGACGCCATCAGGGACGACCTTGGCCATCATGCCCGTCTCCAGCCCG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_133456
Insert Size: 2544 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).
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:	<u>NM_133456.2</u>
RefSeq Size:	3389 bp
RefSeq ORF:	2544 bp
Locus ID:	134549
UniProt ID:	<u>Q2M3G4</u>
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome
MW:	90.3 kDa
Gene Summary:	SHROOM family members play diverse roles in the development of the nervous system and other tissues (Hagens et al., 2006 [PubMed 16615870]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) differs in the 5' UTR, uses a downstream start codon, and uses an alternate in-frame splice site, compared to variant 1. The resulting isoform (2) has a shorter N-terminus and lacks a 5-aa segment near the C-terminus, compared to isoform 1.