

Product datasheet for **MC221876**

Shroom1 (NM_027917) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shroom1 (NM_027917) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shroom1
Synonyms:	Apx; Shrm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221876 representing NM_027917
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCCCTGGTACTGGGAGAGACCGCACCTCCAGGCCCTCAGCCACTGAAAGCCTGGACTTGCGAC
 GGTTGTCCACGCGCGCCGACTCTGCCTACAGCTCTTTCTCCACGGCGTCTGGTGATCCTGAGACGCGCAC
 TCCGTCCCTGGCACCGAGCGCCTCCCTTACCTAGACTGGGACTACGTGCGAGTGGTTTGGGGCAGCCAA
 TCTCTACCTCGAAGGACGCTGTCTTTCAACGACTCAGCGACCTGTGCAGGCAGTCGCTGGGCACAGTG
 ACCCACGGTCCCAGAGGTCCAGGGAAGCCGGGACCCTAAACAGACAAGACACCCCACTGCTGTACGC
 GCTGGCCGCGGAGGCTGAAGCTACAGCTCACACCGCAGAGCCGCCAGCCGCCAGCCTCGCGGGACGCC
 TACCGCCAGCGGTTGCAGGGTGCACAGCGACGAGTGCTGCGGGAGACGTCCTTCCAGCGAAAGGAGTTTC
 GCATGAGCCTGCCGGGCCGCTGCGTCCCGCAGTCCCGACGCGACTTCCACGGCGCACGTGCGCTCCGC
 CTCCAGCAGCCAGGAGCTGGGAGAAGAGGAGCCGGCGCGCACCGCTGTCCAGCGCTAGCTGCTGCTGGC
 CGGGGGCGTCTCTCCAGCCAGCAGCGGCAGTGCTGCTTCTCTGAGCCAGGCAAAATTACATCGCGTAGGTT
 GGAGCGGTGGGCCCACTGGTGAAGACTTGAAGAAAGATTATCCACGCGAGGAGTGCAGCGTGGGATGCA
 CGCAAAGTCCAAAGGGCTGCTGGAGACTCAGTCCCTAAGCTCAACGGAGCTGAATTCGGGCCAGCGGAT
 CTTGGCAATGCCATAGACCTGCGGGTCGGAGTCAGAGTGTTTTCAGGCGAGGTCATGGGTCCCTGCAAGG
 GTTCAGAAAGGACTGTGGCCACTGTCCAGGCTGTTCTCAAAGAGCAGACATCCGAGACCACTGCTTCA
 CACCAAGCTTTCCAGGCTTTGACTCAGAAGGAGGTACAGGAGTGTTGCTGGAGAGGCCCTCCAGACC
 AAACCGGCTGGCTGTGGTCGGAGAATCTCTGAGACCTCGGTGTCTACTCCGGGCCCTCCCTCCCTGAAG
 ATGACGTGTTCTGAGAGAAGCCAAACACCGTCACCTCAAGATTCCTCAAGGGCTCCCCACCAGCACCTC
 CTACCGGCAGTATGAAAACGACTTAAGCAAAAAAGCTGGTCAGATTGCAGTTTTCAGCAGAGAGACCCCTC
 CATGAGACTCCAGGGATCACGGGTACAGAGGACTGTGGGCAAGCGGTGAACGGCTCTGTGGATCTCTCCA
 GACCCACAAGCATTCCAGAGACTACAAATGACGACATCCCAACCTTTGACACTAATGGGACCACTGACCC
 CTCTGCAGCTACAGAGAAAAACCCCTCAAGCCTCCCCAGTCGATGTCTTGAGACCTTCAGACTCTGAG
 ACTCCAGGGTCCCCTACCACACTTCCCTGACTTGGGGCCAGTTTGATTCCAAGACTACTTGGCCTAGTC
 GGCATTTTGGAGCGCTGGTTCAAGAGCTGGCCAGACTGGATCCCTCTTTGAGCCGTAAGTCTTGGCGCCA
 GCCCGGTCCAGAGCCACCGCAGGGCCTGCTGGATGGGCTTTTCTGTGCAAGAGATCCGAAGTGCATG
 AGGCCAGCCCTTGAGGAGATGGGAGAGAAGGCTGCTGGCGCATCGGAGGAAGGCTTGTGGACACCACC
 TCACGCAGGACCTGCAGACTTCCCAAGAGGCATCAAGGTCTGAAACTCTACCCCGACCCCTGACCAATC
 AAGTGGCCAGGAATTCAGAGAAAGAAACAGCACCCAGGCCAAGAAAGTGGAACTAGCCCGCCTCCTCCAA
 AAGATGCTGCAGGATCTTACGCTGAGCAGGAGCGACTGCGGGGGACCGCCGAGACTGGACCCAACGCA
 ACGGAGCTCTAGAGGCTGCTGTGAGCCAGGCCTGTACACCCCGGAGCTGGAACGGTTCGCCGGTTCAT
 GACTGATCTAGAGCGTGTGCTTGGTCTGCTGCTGCTAGGCAGTCGCTGGTCCGTGTAACCTCGCC
 TTGGCTAGGGCGGGCTCAAACAGCGACCCCTGATGAGAGGGCCTCTGCTGTCAGCGACTCCAACCTCTGC
 AGCGACAGCAAGAAGAAGCTAAGGAGCTGAAGGAGCACGTGGCTCGCGGGAGCAAAACCTGCGTCAGGT
 GTTGGAGCGGGAGCTGCCCGCAGAGCATCTGCGCTCCTATTGTGTGCTGCTGGCCTCCAAGGCCAGGATC
 CTGTACAGCAGCGCAGCCTGGACGATCGAATCCGGTTCCTTAAGGACCAACTGGACACTATCTGGAGCG
 ACCTCAGCCATCATCCCTTTCTCCAGACTGACCTGGGCCCCAGCAATCCGTCTCTAAACAAACAACC
 TTTTCTTGCTACCTTATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_027917

Insert Size:

2472 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027917.3, NP_082193.2</u>
RefSeq Size:	3312 bp
RefSeq ORF:	2472 bp
Locus ID:	71774
UniProt ID:	<u>Q5SX79</u>
Cytogenetics:	11 B1.3
Gene Summary:	May be involved in the assembly of microtubule arrays during cell elongation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: The coding region has been updated to include an additional internal exon that is better supported by transcripts from the reference genome strain, and is also supported by homology data.