

Product datasheet for **MC227742**

Shroom2 (NM_001290686) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Shroom2 (NM_001290686) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Shroom2 |
| Synonyms: | 4832440C16; Apxl; C630003H05Rik; Shrm2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC227742 representing NM_001290686
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCTTCTCGCTCCCTTCGCCTCAGTTTGCCACAGAAGCTGACAGATAAACCTCCCCTGCTTA
 TCCATGAAGACAACCTCAGCAAGAATCGAGCGGGTGATGGACAACAACACCACTGTGAAGATGGTGCCCAT
 AAAAATTGTGCACTCAGAAAGCCAGCCCAGAGAGAGAGTCTGTCAGAGTCTCGCTGCCAGCTGAGCTG
 CCCCAGTCCCAGTGGGCTGGAGAGGGACCAGATCAAGACACTGAGTACATCAGAGCAATGCTACTCCC
 GCTTCTGTGTGTACACACGACAGGAGGTGGAAGCTCCTCATAGAGCCCGCCCTCCAGAGCCCGGCCACC
 CAGCACGCTGCACCTCCTGTCAGAGATAGCTGTTCTCCCTCCCTCACTCAACTATGGGAAGGCCAAG
 GAGAAAACCATGGATGACTTGAAGTCTGAAGAATTAGCCAGGGAGATTGTGGAAAGGACAAGTCTTTGG
 CTGACATCCTGGACCCAGTGTGAAGATCAAACTACCATGGATCTGATGGAGGGATTTTTCCCAAAGA
 TGAGTACCTCCTAGAGGAAGCTCAGCAGCGGAGAAAGCTGCTCCCAAAGTCCCCTTACCCAGAGTCACA
 GAGGACAAGAAACAGGACCCAGGTATGCCAGGGTTGTGTCTTGCCACCAATTCTACCTATTACAGCA
 CATCAGCCCCAAAGCAGAGCTTCTTATCAAGATGAAGGACCTGCAGGAGCTGAAGAGTATTCAGCAGG
 TGACTTGGATCATGACCTTTCTGTTAAGAAGCAAGAGCTCATTGACAGTATCAGCCGAAGCTGCAGGTG
 CTCCGGGAAGCACGTGAGAGCCTGCTGGAAGACATCCAAGCCAACAATGCTCTTGGGGATGAGGTGGAAG
 CCATTGTGAAAGATGTCTGCAAGCCCAATGAGTTTGACAAGTCCGGATGTTTATTGGAGACCTGGACAA
 AGTGGTGAACCTCCTGCTGTCAGTGTGAGGACGCTGGCCGTGAGGAAATGCCCTTAATAATTTAGAT
 GACAATCCTTCTCCTGGAGATCGGCAGTCACTGTTGGAGAAACAGAGAGTCTCACTCAGCAGCAGGAG
 ATGCCAAGGAGCTTAAAGAGAACCTGGACCGCCGTGAGCGCATTGTGTTTCGACATCCTGGTACCTACCT
 CAGCGAGGAGAACTGGCTGACTATGAGCACTTGTGGAAGATGAAGTCAAGTCTCATCATTGAGCAGCGA
 GAGCTGGAAGATAAAATCCACCTGGGTGAAGAGCAGCTCAAGTGTGTTGTTGACAGCCTACAGCCTGAGA
 GAAGCAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290686
- Insert Size:** 1341 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001290686.1](#), [NP_001277615.1](#)

RefSeq Size: 4633 bp

RefSeq ORF: 1341 bp

Locus ID: 110380

UniProt ID: [A2ALU4](#)

Cytogenetics: X 68.46 cM

Gene Summary: May be involved in endothelial cell morphology changes during cell spreading. In the retinal pigment epithelium, may regulate the biogenesis of melanosomes and promote their association with the apical cell surface by inducing gamma-tubulin redistribution.
[UniProtKB/Swiss-Prot Function]