

Product datasheet for **MR229954**

Shroom2 (NM_001290687) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shroom2 (NM_001290687) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Shroom2
Synonyms:	4832440C16; Apxl; C630003H05Rik; Shrm2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR229954 representing NM_001290687
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCTTCTCGCTCCCTTCGCCTCAGTTTGCACACAGAAGCTGACAGATAAACCTCCCCTGCTTA
 TCCATGAAGACAACCTCAGCAAGAATCGAGCGGGTGATGGACAACAACACCACTGTGAAGATGGTGCCCAT
 AAAAATTGTGCACTCAGAAAGCCAGCCCAGAGGAGAGTCTGTCAGAGTCTCGCGTGCCAGCTGAGCTG
 CCCCAGTCCCAGTGGGCTGGAGAGGGACCAGATCAAGACACTGAGTACATCAGAGCAATGCTACTCCC
 GCTTCTGTGTGTACACACGACAGGAGGTGGAAGCTCCTCATAGAGCCCGCCCTCCAGAGCCCGGCCACC
 CAGCACGCTGCACCTCCTGTCAGAGATAGCTGTTCTCCCTCCCTCACTCAACTATGGGAAGGCCAAG
 GAGAAAACCATGGATGACTTGAAGTCTGAAGAATTAGCCAGGGAGATTGTGGAAAGGACAAGTCTTTGG
 CTGACATCCTGGACCCAGTGTGAAGATCAAACTACCATGGATCTGATGGAGGGAAATTTTCCCAAAGA
 TGAGTACCTCCTAGAGGAAGCTCAGCAGCGGAGAAAGCTGCTCCCAAAGTCCCCTTACCCAGAGTCACA
 GAGGACAAGAAACAGGACCCAGGTATGCCAGGGTGTGTCTTGCCACCAATTCTACCTATTACAGCA
 CATCAGCCCCAAAGCAGAGCTTCTTATCAAGATGAAGGACCTGCAGGAGCTGAAGAGTATTCAGCAGG
 TGACTTGGATCATGACCTTTCTGTTAAGAAGCAAGAGCTCATTGACAGTATCAGCCGAAGCTGCAGGTG
 CTCCGGGAAGCACGTGAGAGCCTGCTGGAAGACATCCAAGCCAACAATGCTCTTGGGGATGAGGTGGAAG
 CCATTGTGAAAGATGTCTGCAAGCCCAATGAGTTTGACAAGTCCGGATGTTTATTGGAGACCTGGACAA
 AGTGGTGAACCTCCTGCTGTCAGTGTGAGGACGCTGGCCGTGTTGAAAATGCCCTTAATAATTTAGAT
 GACAATCCTTCTCCTGGAGATCGGCAGTCACTGTTGGAGAAACAGAGAGTCTAACTCAGCAGCAGGAGG
 ATGCCAAGGAGCTTAAAGAGAACCTGGACCGCCGTGAGCGCATTGTGTTGACATCCTGGTACCTACCT
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 GAGCTGGAAGATAAAATCCACCTGGGTGAAGAGCAGCTCAAGTGTGTTGTTGACAGCCTACAGCCTGAGA
 GAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229954 representing NM_001290687
 Red=Cloning site Green=Tags(s)

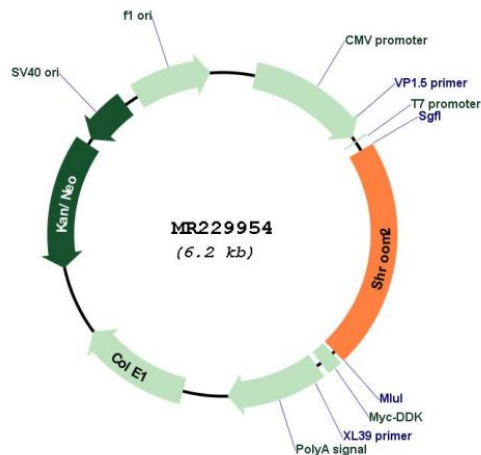
METSRSPSPQFAPQKLTDPKPLLIHEDNSARIERVMDNNTTVKMVPIKIVHSESQPEKESRQSLACPAEL
 PPLPSGLERDQIKLSTSEQCYSRFCVYTRQEVEAPHRARPPPEPRPSTPAPPVDRSCSSPPSLNYGKAK
 EKTMDDLKSEELAREIVGKDKSLADILDPSVKIKTTMDLMEGIFPKDEYLLEEAQRRKLLPKVPLPRVT
 EDKKQDPGMPGVVSLATNSTYYSTSAPKAELLIKMKDLQEPEEYSAGDLHDLSVKKQELIDSISRKLQV
 LREARESLLIEDIQANNALGDEVEAIVKDVCKPNEFDKFRMFIGDLKVVNLLL SLSGRLARVENALNLD
 DNPSPGDRQSLLEKQRVLTQHEDAKELKENLDRRERIVFDILATYLSEENLADYEHFVKMKSALIEQR
 ELEDKIHLGEEQLKCLFDSLQPERSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001290687

ORF Size: 1338 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001290687.2](#)

RefSeq Size: 4815 bp

RefSeq ORF: 1341 bp

Locus ID: 110380

UniProt ID: [A2ALU4](#)

Cytogenetics: X 68.46 cM

MW: 51.1 kDa

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]