

Product datasheet for **MC224535**

Shroom4 (NM_001040459) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shroom4 (NM_001040459) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shroom4
Synonyms:	D430043L16Rik; Gm724; Shrm4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224535 representing NM_001040459 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGCCGGCCGGGGTCTTCCAGTACGTCCCGGTGCAGCTGCAAGGGGGGGCCCTGGGGCTTCA
CCCTCAAGGGGGCTTGGAGCACTGCGAGCCGCTCACGGTGTGCAAGATTGAAGATGGAGGCAAGGCAGC
CTTGTCTCAGAAGATGCGGACTGGTGTAGCTGGTGAATATCAATGGCACTCCATTGTATGGCTCCCGC
CAAGAGGCCCTCATCCTTATCAAAGGCTCTTCAGGATCCTCAAGCTGATTGTCAGGAGGAGAAACCC
CTGTGAGTAGGCCGCACTCATGGCATGTAGCCAAGCTGTTGGAGGGGTGCCCTGACGTGGCCACCACCAT
GCATTTCCCTTCTGAAGCCTTCACTTGTCTGGCATTCCGGTTGCAACACTAGTGACGTGAGTGTACAG
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CTCAGAGCAGGGCCACCCTCAGGACCTGCCAAGATGGCACGGGGTCCACCAGAGCCTCCAGTGAGGAGC
GACAGCCTTCCGGCTCTAGAGCCCAACTTCTCAATGGAGAGCAGCATCGTGCATCTGAACCGGTGGAG
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CAGAGCCAAAGTGATGTCTACTTGGGGAGGTTGATGGACACCCAAACCGAGCAGGCAGAGCAAGCAGTG
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 TCTCTTTCGCTTATATAAAAAACGTCCCTAGTCTGGAGACAAGTCTTTAACAAAAGCATGATTCTCA
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 GAAGACATCTACTCCTCAAGCTGGGGAAGAAGTGTCTCATGCCGTTTGCAGACAGAAGAAAGTTCTTT
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 ATTTCTGTGGACAAGTGAAGCCAATAACAGGAAACAGGAAACTAGTCATTCTGGGAGGAAATGGCT
 CATTCTAAGGCCGGCTTTTCATTGTCTACTCCCTCCGACCTTGCAATGAGAATCCAGCACTGGACTGT
 CAAACTCCGAGCAGTCTTCTCTTGGACATCCTTGGAGACTTCAAACGTGCCTCAAACAAGCCAGAGGA
 ATCTTCGGTTTATGAGGATGAGAACTCTGTTGCCCTCCATGCCCGGCCACTGCGGAGCCGAGCCTTCTCT
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 GTCCCTGAAGATGGGCCACCAGGAAGCCTCAAGGCAGGGTTCACAGAGCCTCAAGAGCAAGAGGCCTTT
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 GAGAGGAGGGAGTTGACTATGAACTGGCTCAAAAAAGATTGAGCTCATTGAAAGCATTAGTCGAAAAC
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 GTAGAGGCCAACTTAAAAGCTGTCTGCAATCCAATGAGTTTAAAAGTACCATTGTTTATTGGAGACC
 TGGACAAAAGTGGTCAACCTGTTGTTGTCACTCTCTGGACGACTAGCCCGGTGGAGAATGCTCTCAACAG
 CATTGATTCAGAGTCCAACCAGGAGAAGTTGGTGTGATAGAGAAGAAGCAGCAGCTGACGAACCAAGTTG
 GCAGATGCCAAGGAGTTGAAGGAGCATGTGGATGGCAGGAAAAGCTGGTGTTCGGCATGGTCTCCCGCT
 ACCTGCCTCAGGACCAGCTCCAAGATTACCAGCACTTTGTGAAGATGAAATCTGCTCTCATCATTGAACA
 GAGAGAGCTGGAGGAGAAGATCAAACCTGGAGAAGAGCAGCTTAAATGCCTCAAAGAGAGCCTGCACTTG
 GGGCCAGCAATTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001040459
Insert Size: 4428 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:	<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:	<u>NM_001040459.2</u> , <u>NP_001035549.1</u>
RefSeq Size:	8278 bp
RefSeq ORF:	4428 bp
Locus ID:	208431
UniProt ID:	<u>Q1W617</u>
Cytogenetics:	X A1.1
Gene Summary:	<p>Probable regulator of cytoskeletal architecture that plays an important role in development. May regulate cellular and cytoskeletal architecture by modulating the spatial distribution of myosin II.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>