

## Product datasheet for **RN217642**

### Shroom4 (NM\_001191730) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Shroom4 (NM_001191730) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shroom4
Synonyms:	RGD1563434
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217642 representing NM_001191730 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAACCGGCCGGGGTCTTCCAGTACGTCCCGGTGCAGCTGCAAGGGGGGGCGCCCTGGGGCTTCA  
CCCTGAAGGGGGCTTGGAGCACTGCGAGCCGCTCACGGTGTGGAAGATTGAAGATGGAGGCAAGGCAGC  
CTTGTCCCAGAAGATGCGGACTGGTGTGAAGTAAATATCAATGGCACTCCATTGTATGGCTCCCGC  
CAAGAGGCCCTCATCCTCATCAAAGGCTCTTCAGGATCCTCAAGCTGATTGTCAGGAGGAGAAACACC  
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CCACCCTACAGACTGTGTATGTAGGCCAGGGCCGACTAAAGTCACTGATGACCAAGCTAATGTAT  
CTGAGACCTCAGGAAGTAGCCATAGTACCAGTGGGGCCACATGACCTCCACTTCCCATGCATCATCCTG  
CTCAGAAGAAGGGCACCCTCAGGACCTGCCAAGATGGTGGGGTCCACCAGAGCCTCCAGTGAGGCGG  
GACAGCCTCAGGCCTTAGAGCCCAACTTCTCAATGGAGAGCAGCATCGTGCATCTGAACCTGTGGAT  
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ACAAAGGTTCCAACAAAGAGTTTGGCCTGCTTAAGGAGGCTTCAGCAGATCTGGCTAACACTTTGTCTTT  
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ACCAGTGGACCATGTCCCTTTGCACAACAACCCTAAAGGGAAGAAAAGTCCAGGTCTCCACAGGAGG  
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CAGAGCCAAAGTGATGCCCTACTTGGAGAGGTCGATGGACACCCATCAGAACGAACCTACCTAGACTCAA  
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 TTTGCAGACAGAAGAAGTTCTTTGAAGAGAGCAGCAAATCTTTATCTACATCTCATTGCCAGGCTTAA  
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 CAG  
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 GGAGCTACCCTGTAAACCCAGCCGAGAAAGCTCAACCTCCTTGCTATTACGGCGCTCATGGACTGTGGAG  
 GACAAGTGAAGCAAGGCTACTGTGACCCAAAACAAGAGTTTCAGCACTTCTCACCTCCTACAGGGGCC  
 TCAGGAATCCCTACCTCTTACTCAGCTTATTATAATATCTCTGTGGCCAAGGCAGAACTGCTGAACAAGT  
 TAAAACAGCAGCCTGAGATGGCTGAGGCAGGCCTGGGAGAGGAGGGAGTTGACTATGAAGTGGCTCAAAA  
 AAAGATTGAGCTCATTGAAAGCATTAGTAGAAAACCTTCTGTCTGCGGGAGGCCAGCGTGGGCTACTG  
 ATGAGTTGGAAAAGTATCATTGTTTATTGGAGACCTGGACAAAGTGGTCAACCTGTTGTTGCTACTCTC  
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 CTGAGAGAGAAGAAGCAGCAGCTGACGAACAGTTGGCAGATGCCAAAGAGCTGAAGGAGCATGTGGACC  
 GCAGGGAGAAGCTGGTGTTCAGCATGGTCTCCCGTACCTGCCGAGGACCAGCTCCAAGATTACCAGCA  
 CTTTGTGAAGATGAAATCTGCTCTCATCTTGTGAGCAGAGAGAGCTGGAGGAGAAGATCAAACCTGGAGAA  
 GAACAGCTTAAATGCCTCAAAGAGAGCCTGCACCTGGGGCCAGCAATTTCTAA

**ACGGCT**ACGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001191730  
**Insert Size:** 4464 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001191730.1</a></u> , <u><a href="#">NP_001178659.1</a></u>
<b>RefSeq Size:</b>	4741 bp
<b>RefSeq ORF:</b>	4464 bp
<b>Locus ID:</b>	317391
<b>Cytogenetics:</b>	Xq12