

Product datasheet for **RC230542**

SHROOM1 (NM_001172700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHROOM1 (NM_001172700) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SHROOM1
Synonyms:	APXL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230542 representing NM_001172700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCCCTGGGACCTGGGGGCGACCGCGCCTCCCCGGCCTCGTCCACTAGCAGCCTGGACCTGTGGC
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230542 representing NM_001172700
 Red=Cloning site Green=Tags(s)

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MEALGPGGDRASPASSTSSLDLWHL SMRADSA YSSF SAASGGPEPRTQSPGTDLLPYLDWDYVVRVWGGP
GPAPPPDAALCTSPRPRPAVAARS GPQPTVEVPGTPGPNRQATPLLALAAEAEAAAQAAEPPSPPASRAA
YRQLRQGAQRVLR ETSFQRKELRMSLPARLRPTVPPATHPRASLSHPGGEGERPARSRAPAGTAG
RGPLANQQRKWCFS EPGKLD R VGRGGGPARECLGEACSSSGLPGPELEFQHPALAKFEDHEVWGLPETQ
PQGSMNLDSGSLKLGDAFRPASRSASGEV LGSWGGSGGTIPIVQAVPQGAETPRPLFQTKLSRFLPQK
EAAVMYPAELPQSSPADSEQRVSETCIVPAWLP SLPDEVFLEEAPLVMRSPDPHASQGPASVHASDQ
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RFSRFMADLERVLGLLLLLGSRLARVRRALARAA SDDPDEQASLLQRLRLLRQEEDAKELKEHVARRE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

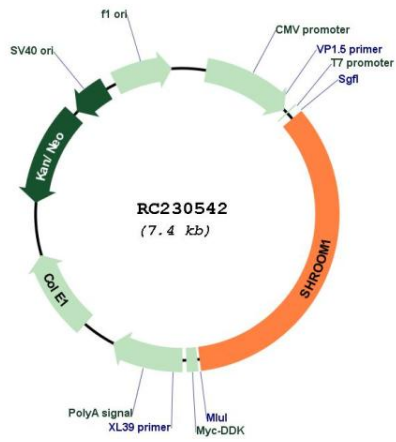
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001172700
ORF Size:	2556 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:	<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:	NM_001172700.1 , NP_001166171.1
RefSeq ORF:	2559 bp
Locus ID:	134549
UniProt ID:	Q2M3G4
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome
MW:	91.2 kDa
Gene Summary:	SHROOM family members play diverse roles in the development of the nervous system and other tissues (Hagens et al., 2006 [PubMed 16615870]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC230542