

Product datasheet for **RG217092**

SHROOM1 (NM_133456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHROOM1 (NM_133456) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SHROOM1
Synonyms:	APXL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG217092 representing NM_133456
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

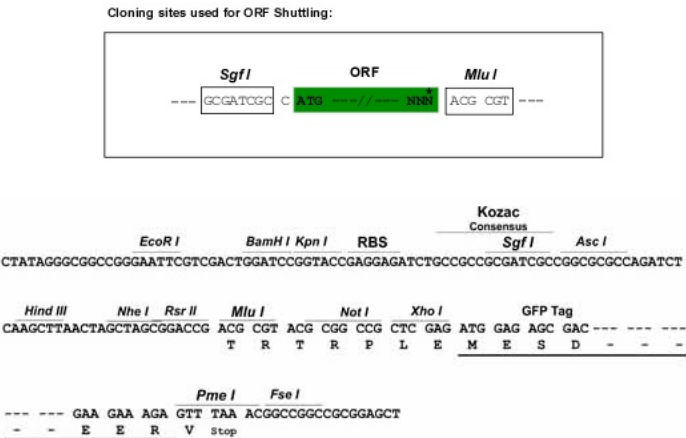
Protein Sequence: >RG217092 representing NM_133456
 Red=Cloning site Green=Tags(s)

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MEALGPGGDRASPASSTSSLDLWHL SMRAD SAYSSF SAASGGPEPRTQSPGTDLLPYLDWDYVRVWGGP
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PFPLLLT
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TRTRPLE – GFP Tag – V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN:	NM_133456
ORF Size:	2541 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_133456.1](#), [NP_597713.1](#)

RefSeq Size: 3190 bp

RefSeq ORF: 2544 bp

Locus ID: 134549

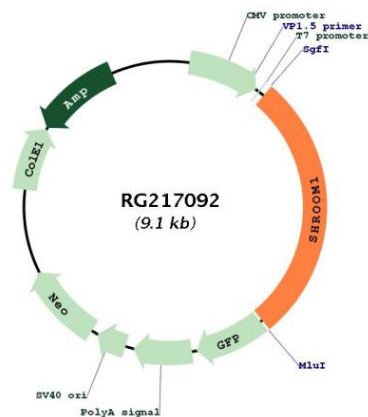
UniProt ID: [Q2M3G4](#)

Cytogenetics: 5q31.1

Protein Families: Druggable Genome

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 RG217092