

Datasheet for ABIN7563645

## Shroom Family Member 4 (SHROOM4) (AA 1-1475) protein (His tag)



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### Overview

Quantity: 1 mg

Target: Shroom Family Member 4 (SHROOM4)

Protein Characteristics: AA 1-1475

Origin: Mouse

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: His tag

### Product Details

Purpose: Custom-made recombinant Shroom4 Protein expressed in mammalian cells.

Sequence: MESRPGSFQY VPVQLQGGAP WGFTLKGGLE HCEPLTVSKI EDGGKAALSQ KMRTGDELVN  
INGTPLYGSR QEALILIKGS FRILKLIVRR RNTVSRPHS WHVAKLLEGC PDVATTMHFP  
SEAFSLSWHS GCNTSDVSQ WCPLSRHCST EKSSSIGSME SLEQPGQPTY EGHLLPIDQN  
MYPQRDSAY SSFASNAS DCALSLKPEE PPSTDCVMPG PGPIKVTDDQ ANVSENSGSS  
HSTSEDHVTS TSHASSYSDE GHHSHPAKMA RGPPEPPVRS DSLPASRAQL LNGEQHRASE  
PVDSLPQKEK PGLETVLPPR SSNQFCCLSG QDQVTDEDHQ NCELSKPSES SQDDCEHLI  
EDSSKALDSP KAHDKGSNKE FGLLKEASAD LANTLNFGAI PHLRGTMEHR HSAPEQLLAS  
HLQQVHLSR GSKGMELPIG QDGHQWTVSP LHNNPKGKKS PSLPTGGTQD QTRKERKTP  
LDDKLMASVH QSQSDVLLGE VDGHPNRAGR ASSDLTSQQP SATCSSVQQT RDFLSAHKV  
DHTEASEEGD NEPKCEGRLG GRRSGGPRGR SIQNRRRSER FATNLRNEIQ RRKAQLQKSK  
GPLSQLCDTN EAVEETQEPP ESPPLSASNA SLLPSYKNVP SPGDKVFNKS MILRARSSEC  
LSQASESSKA RGGVEGRMSP GQRSGQSSLA LNTWWKASDS STLDTEKANA HHGVCRGHWR

WSPEHNAQPQ VALSTEAPSN PDDSKELKTS TPQAGEEAVL MPFADRRKFF EESSKSLSTS  
HLPGLTTHNN KPFIQRQKPI DQNFQSVSYR DLRCHPLDQS YHSADQSYHA ADQSYHSLSP  
LQSETPTYPE CFATKGRDNS LCCKPVHHGD CDYHRTCSPH CSAQGTVRHD PCICCSGEIC  
PALLKRNLKP KCHNCRCHHH QCIRCTGCCH GPQHSAHEDS SMAPGNAWKS RKAAIQEFPV  
DKWKPIGNR KTSHSGREMA HSKAGFSLST PFRPCINPA LDLSNYRAVS SLDILGDFKR  
ASNKPEESSV YEDENSVASM PRPLRSRAFS ESHISLEPQN TQAWGKHQRE SFSKGSETQP  
DTLGARKKVF PPPRPPPNW EKYRLFRAAQ LQQQQQQQQQ QQQQQRCEEE EEKEQEEEGE  
KEEDLPPQYF SSELTGSCAP NTEEQPQSLK MGHQEASRQG SSQLQEAEAF ALHPSNFVPP  
VRGCTVPQPE KAHPCYYGT HGLWRTTEQE ATVTPKQEFQ HFSPKASG IPTSYSAYYN  
ISVAKAELLN KLKQQPEMAE AGLGEEGVDY ELAQKKIQLI ESISRKLSVL REAQRLLDD  
INANAALGEE VEANLKAVCK SNEFEKYHLF IGDLDKVVNL LLSLSGRLAR VENALNSIDS  
ESNQEKLVLI EKKQQLTNQL ADAKELKEHV DGREKLVFGM VSRYPQDQL QDYQHFKMK  
SALIIEQREL EEKIKLGEEQ LKCLKESLHL GPSNF **Sequence without tag. The proposed**

**Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target:	Shroom Family Member 4 (SHROOM4)
Alternative Name:	Shroom4 ( <a href="#">SHROOM4 Products</a> )
Background:	Protein Shroom4,FUNCTION: 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. {ECO:0000269 PubMed:17009331}.
Molecular Weight:	163.2 kDa
UniProt:	<a href="#">Q1W617</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months