

Datasheet for ABIN7561935
SHROOM2 Protein (AA 1-1481) (His tag)



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Overview

Quantity:	1 mg
Target:	SHROOM2
Protein Characteristics:	AA 1-1481
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHROOM2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Shroom2 Protein expressed in mammalian cells.
Sequence:	MEGAEPRARP ERLAEAEAPA TDGVRLVEVQ LSGGAPWGFT LKGGREHGEP LVITKIEEGS KAAAVDKLLA GDEIVAINDV SLSGFRQEI CLVKGSHKTL KLVVKRKS DP SWRPHSWHAT KYFDVHPEPA ASLFLNTSGS PSWKSQHQAS SSSHDLGSGW EHTSLQRTSD HFSSMG SIDS LDHSSQLYPS GHLSSAKSNS SIDHLGGH SK RDSAYGSFST CSSTPDHTLP KADASSTENI LYKVGLWEAS RPGSSRQS QS TGDPQGLQDR PSCFIPRVP G NSSKSPRPED NVEPKIATHG RSNFGPVWYV PDKKKAPS PP PLGLPLRSDS FSVAARGHEK ARGPPFSDLA SMQHFITLPH VQPRGDHRME TTDRQWKLTH LSSGKEIGNV GYQSEGH LDC RWLCSDDRAG RPSGPPGRLQ FSDVHFLKSY HGSQHQQCS DESPRAPSSP RELLHITPGG GLQEPPEPSQ DDNPTQVRWP GSAHQKLLDR GRSHYFPGSL RQPVGSAQV VIPRGDYWHS DTTPVDLEYP LLRPVGQRTY LQQHEETPAS HEKEGYHQLN AGIEGCCSGI QEPPRASRTV RTGLQCPSND FKLVDGESGR ISRQRTPMLH SLTQDGTWRP GNSKDCGNDK PPLFDAQVGK PTRRSDFAT TLRNEIQMRR AKLQKSKSTV TLAGDSEAED CAGDWRADVG AVPEGSFPST YKEHLKEAQT RVLKATSFQR

RDLDPADQ YSGPSEHRTF DHSASSSLSS FPGEPDSAPR FCETGLAKAP SSGVGVPHVL
RIGGRKRFTA EQKLKSYSEP EKINEVGLSG DHRPHPTVRT PEDTVGTFAD RWKFFEETSK
SLLQKAGHRQ VHCGLPREKA ERPQTGHHEC ESTEPWFQKR SLATSCGEIL SDRKVEKASE
KLNPPRRLGT FAEYQASWKE QKKPLEARSS GRYHSADDIL DAGLDQQRP QYIHERSRSS
PSTDHYSQEV PVEPNRQAED SGDHEAIRC TLQAEEGCSA PSAQPQDSQH VNEDTTFPQP
ETQLSSKCQH LQTSAMETSR SPSPQFAPQK LTDKPPLLIH EDNSARIERV MDNNTTVKMW
PIKIVHSESQ PEKESRQSLA CPAELPLPS GLERDQIKTL STSEQCYSRF CVYTRQEVEA
PHRRPPEPR PPSTPAPPVR DSCSSPPSLN YGKAKEKTMD DLKSEELARE IVGKDKSLAD
ILDPSVKIKT TMDLMEGIFP KDEYLLEEAQ QRRKLLPKVP LPRVTEKQK DPGMPGVVSL
ATNSTYYSTS APKAELLIKM KDLQEPEEYS AGDLHDLSV KKQELIDIS RKLQVLRAR
ESLLEDIQAN NALGDEVEAI VKDVCKPNEF DKFRMFIGDL DKVVNLLLSL SGRLARVENA
LNNLDDNPSP GDRQSLEKQ RVLTTQHEDA KELKENLDRR ERIVFDILAT YLSEENLADY
EHFVKMKSAL IIEQRELEDK IHLGEEQLKC LFDSLQPERS K **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.**

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.

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.

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

Grade: custom-made

Target Details

Target:	SHROOM2
Alternative Name:	Shroom2 (SHROOM2 Products)
Background:	Protein Shroom2 (Protein Apxl),FUNCTION: May be involved in endothelial cell morphology changes during cell spreading. In the retinal pigment epithelium, may regulate the biogenesis of melanosomes and promote their association with the apical cell surface by inducing gamma-tubulin redistribution. {ECO:0000269 PubMed:16684770, ECO:0000269 PubMed:16987870}.
Molecular Weight:	164.7 kDa
UniProt:	A2ALU4
Pathways:	Cell-Cell Junction Organization, Asymmetric Protein Localization

Application Details

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

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