

Datasheet for ABIN7555446
SHROOM2 Protein (AA 1-1616) (His tag)



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Overview

Quantity:	1 mg
Target:	SHROOM2
Protein Characteristics:	AA 1-1616
Origin:	Human
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 ERLAEAETRA ADGGRLVEVQ LSGGAPWGFT LKGGREHGEP LVITKIEEGS KAAAVDKLLA GDEIVGINDI GLSGFRQEI CLVKGSHKTL KLVVKRRSEL GWRPHSWHAT KFSDSHPELA ASPFTSTSGC PSWSGRHHAS SSSHDLSSSW EQTNLQRTLD HFSSLGSDVS LDHPSSRLSV AKSNSSIDHL GSHSKRDSAY GSFSTSSSTP DHTLSKADTS SAENILYTVG LWEAPRQGG QAQAAGDPQG SEEKLSCFPP RVPGDGSGKGP RPEYNAEPLK AAPGRSNFGP VWYVPDKKKA PSSPPPPPPP LRSDSFAATK SHEKAQGPVF SEAAAAQHFT ALAQAQPRGD RRPELTDRPW RSAHPGSLGK GSGGPGCPQE AHADGSWPPS KDGASSRLQA SLSSSDVRFP QSPHSGRHPP LYSDHSPLCA DSLGQEPGAA SFQNDSPQV RGLSSCDQKL GSGWQGPRPC VQGD LQAAQL WAGCWPSDTA LGALES LPPP TVGQSPRHHL PQPEGPPDAR ETGRCYPLDK GAEGCSAGAQ EPPRASRAEK ASQRLAASIT WADGESSRIC PQETPLLHSL TQEGKRRPES SPEDSATRPP PFDHVGKPT RRSDFATTL RNEIQMHRAK LQKSRSTVAL TAAGEAEDGT GRWRAGLGGG TQEGPLAGTY KDHLKEAQAR VLRATSFKRR DLDPNPGDLY PESLEHRMGD

PDTVPHFWEA GLAQPPSSTS GGPHPPRIGG RRRFTAQKL KSYSEPEKMN EVGLTRGYSP
HQPRTSEDT VGTFADRWFK FEETSKPVPQ RPAQKQALHG IPRDKPERPR TAGRTCEGTE
PWSRTTSLGD SLNAHSAAEK AGTSDLPRRL GTFAEYQASW KEQRKPLEAR SSGRCHSADD
ILDVSLDPQE RPQHVHGRSR SSPSTDHYKQ EASVELRRQA GDPGEPREEL PSAVRAEEGQ
STPRQADAQC REGSPGSQQH PPSQKAPNPP TFESELHCRG APELPREGRG RAGTLPRDYR
YSEESTPADL GPRAQSPGSP LHARGQDSWP VSSALLSKRP APQRPPPKR EPRRYRATDG
APADAPVGV L GRPFPTPSA SLDVYVARLS LSHSPSVFSS AQPQDTPKAT VCERGSQHVS
GDASRPLPEA LLPPKQHLR LQTATMETS R SPSPQFAPQK LTDKPPLLIQ DEDSTRIERV
MDNNTTVKMV PIKIVHSESQ PEKESRQSLA CPAEPPALPH GLEKDQIKTL STSEQFYSRF
CLYTRQGAEP EAPHRAQPAE PQPLGTQVPP EKDRCTSPPG LSYMKAKEKT VEDLKSEELA
REIVGKDKSL ADILDPSVKI KTTMDLMEGI FPKDEHLL EE AQQRKLLPK IPSPRSTEER
KEEPSVPAAV SLATNSTYYS TSAPKAELLI KMKDLQEQQE HEEDSGSDLD HDLSVKKQEL
IESISRKLQV LREARES LLE DVQANTV LGA EVEAIVKGVC KPSEFDKFRM FIGDLDKVVN
LLLSLSGRLA RVENALNNLD DGASPGDRQS LLEKQRVLIQ QHEDAKELKE NLDRRERIVF
DILANYLSEE SLADYEHFVK MKSALIEQR ELEDKIHLGE EQLKCLLDSL QPERGK **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.

Product Details

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 (Apical-like protein) (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 (By similarity). {ECO:0000250}.
Molecular Weight:	176.4 kDa
UniProt:	Q13796
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