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Datasheet for ABIN7554641

MYO3B Protein (AA 1-1341) (His tag)

Overview

Quantity:	1 mg
Target:	MYO3B
Protein Characteristics:	AA 1-1341
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYO3B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MYO3B Protein expressed in mammalian cells.
Sequence:	<p>MKHLYGLFHY NPMMLGLES L DPDTDTWEII ETIGKGTYGK VYKVTNKR DG SLAAVKILDP VSDMDEEIEA EYNILQFLPN HPNVVKFYGM FYKADHCVGG QLWLVLLELCN GGSVTELVKG LLRCGQRLDE AMISYILYGA LLGLQHLHNN RIIHRDVKGN NILLTTEGGV KLVDFGVSAQ LTSTRLRRNT SVGTPFWMAP EVIACEQQYD SSYDARCDVW SLGITAIELG DGDPPPLFDMH PVKTLFKIPR NPPPTLLHPE KWCEEFNHFI SQCLIKDFER RPSVTHLLDH PFIKGVHGKV LFLQKQLAKV LQDQKHQNPV AKTRHERMHT RRPYHVEDAE KYCLEDDLVN LEVLDEDTII HQLQKRYADL LIYTYVDIL IALNPFQNL IYSPQFSRLY HGVKRASNPP HIFASADAAY QCMVTL SKDQ CIVISGESGS GKTESAHLIV QHLTFLGKAN NQTLREKILQ VNSLVEAFGN SCTAINDNSS RFGKYLEMMF TPTGVVMGAR ISEYLLEKSR VIKQAAREKN FHIFYYIYAG LHHQKLSDF RLPEEKPPRY IADETGRVMH DITSKESYRR QFEAIQHCFR IIGFTDKEVH SVYRILAGIL NIGNIEFAAI SSQHQTDKSE VPNAEALQNA ASVLCISPEE LQEALTS HCV</p>

Product Details

VTRGETIIRA NTVDRAADV DAMSKALYGR LFSWIVNRIN TLLQPDENIC SAGGGMNVGI
LDIFGFENFQ RNSFEQLCIN IANEQIQYYF NQHVFALQEM EYQNEGIDAV PVEYEDNRPL
LDMFLQKPLG LLALLDEESR FPQATDQTLV DKFEDNLRCK YFWRPKGVLE CFGIQHYAGK
VLYDASGVLE KNRDTLPADV VVLRRTSENK LLQQLFSIPL TKTGNLAQTR ARITVASSSL
PPHFSAGKAK VDTLEVIRHP EETTMMKRQT VASYFRYSLM DLLSKMVVGQ PHFVRCIKPN
DDREALQFSR ERVLAQLRST GILETVSIRR QGYSHRILFE EFKRYYYLA FTAHQTPLAS
KESCVAILEK SRLDHWLKG TKVFLKYYHV EQLNLLLREV IGRVVVLQAY TKGWLGARRY
KRVREKREKG AIAQSAWRG YDARRKFKKI SNRRNESAAH NQAGDTSNQS SGPHSPVAAG
TRGSAEVQDC SEPGDHKVLG GSVHRRSHSQ AESNNGRTQT SSNSPAVTEK NGHSQAQSSP
KGCDIFAGHA NKHSVSGTDL LSSRICHPAP DQQGLSLWGA PQKPGSENGL AQKHRTPRRR
CQQPKMLSSP EDTMYYNQLN GTLEYQGSKR KPRKLGQIKV LDGEDEYYKS LSPVDCIPEE
NNSAHPSSFFS SSSKGDSFAQ H **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

MYO3B

Target Details

Alternative Name: MYO3B ([MYO3B Products](#))

Background: Myosin-IIIb (EC 2.7.11.1),FUNCTION: Probable actin-based motor with a protein kinase activity. Required for normal cochlear hair bundle development and hearing. Plays an important role in the early steps of cochlear hair bundle morphogenesis. Influences the number and lengths of stereocilia to be produced and limits the growth of microvilli within the forming auditory hair bundles thereby contributing to the architecture of the hair bundle, including its staircase pattern. Involved in the elongation of actin in stereocilia tips by transporting the actin regulatory factor ESPN to the plus ends of actin filaments. {ECO:0000250|UniProtKB:Q1EG27}.

Molecular Weight: 151.8 kDa

UniProt: [Q8WXR4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
