

Datasheet for ABIN7564992

Myosin IH Protein (MYO1H) (AA 1-958) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Myosin IH (MYO1H)
Protein Characteristics:	AA 1-958
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myosin IH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Myo1h Protein expressed in mammalian cells.
Sequence:	MEGALTARDK VGVQDFVLLD AYTSESAFLE NLRKRFRENL IYTYIGTLLV SVNPHYQELGI YTASQMELYQ GVNFFELPPH VYAIADNAYR MMCSELNNHF ILISGESGAG KTEASKKILQ YFAVTCPMTE SLQIARDRLS LSIPVLEAFG NAKTLRNDNS SRFQKYMIDIQ FDFQGVVPGG HIISYLIEKS RVVYQNHGER NFHIFYQLLA GGGSERLASL GLERDPQLYK YLSQGHICARE SPISDKNDWE TVCGAFSVIG FTEADLENLF GIIASVLHLG NVCFKGDKQG CASVPDTHEI KWIAKLLGVC PAVLLEALTH RKIEAKTEEV ICPLTVELSV YARDAMAKAV YGRTFTWLVN RINSSLVNKD FTQKTVIGLL DIYGFEVFDK NGFEQFCINY CNEKLQQLLI ERTLKAEQAE YESEGIEWET VQYFNNKIIC DLVEERHRGI ISILDEECIR PGPATDLSFL EKLEEKVGGK AHFQTRKLAG PKGRKRIGWL EFCLLHYAGE VTYCTKGFLE KNNDLLYRHL KEVLCSSKNS ILRECFLVAE LENRRRPPTV GTQFKNSLSS LLEILISKEP SYIRCIKPNE RKEPSKFDDF LISHQIKYLG LMEHLRVRRA GFAYRRKYEH FLQRYKSLCP DTWPHWHGPP GEGVERLIKY IGYQPQDYKL GKTKIFIRFP RTL FATEDAF EFSKHQLVSR IQATYKGCLG RREYMKKRQA ATKLEAHWRG

Product Details

VLARKEIKRR RWAVQIIRRF VKGFINDKPK LCPDNEEFVW LVRKNYILNL RYHVPKNVLD
KSWLRPPGIL ENASNLLRRM CTRNLVRKYC RGISAERKAM MQQKVVTSEI FRGKKEGYAE
SLNQLFAGSR LGVSTSSLSD GILVIHISPA DKQQKGDVIL QCEHIFEVAT KLAMLIRKEH
TVRVVQGSQ FYVSPGREGT IVFETGEEDQ VYKDKNGQLR VVSAGKKT **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: Myosin IH (MYO1H)

Alternative Name: Myo1h ([MYO1H Products](#))

Background: Unconventional myosin-Ih,FUNCTION: Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments (By similarity). {ECO:0000250}.

Target Details

Molecular Weight: 110.0 kDa

UniProt: [Q9D6A1](#)

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