

Datasheet for ABIN7554647

Myosin IB Protein (MYO1B) (AA 1-1136) (His tag)



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Overview

Quantity:	1 mg
Target:	Myosin IB (MYO1B)
Protein Characteristics:	AA 1-1136
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myosin IB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYO1B Protein expressed in mammalian cells.
Sequence:	<p>MAKMEVKTSL LDNMIGVGDM VLEPLNEET FINNLKKRFD HSEIYTYIGS VVISVNPYRS</p> <p>LPIYSPEKVE EYRNRNFYEL SPHIFALSDE AYRSLRDQDK DQCILITGES GAGKTEASKL</p> <p>VMSYVAAVCG KGAEVNQVKE QLLQSNPVLE AFGNAKTVRN DNSSRFGKYM DIEFDKGDGP</p> <p>LGGVISNYLL EKSRVVKQPR GERNFHVFYQ LLSGASEELL NKLKLERDFS RYNYLSLDSA</p> <p>KVNGVDDAAN FRTVRNAMQI VGFMDHEAES VLAVVAAVLK LGNIEFKPES RVNGLDESKI</p> <p>KDKNELKEIC ELTGIDQSVL ERAFSFRTVE AKQEKVSTTL NVAQAYYARD ALAKNLYSRL</p> <p>FSWLVRINE SIKAQTKVRK KVMGVLDIYG FEIFEDNSFE QFIINYCNEK LQQIFIETL</p> <p>KEEQEEYIRE DIEWTHIDYF NNAICDLIE NNTNGILAML DEECLRPGTV TDETFLKLN</p> <p>QVCATHQHFE SRMSKCSRFL NDTSLPHSCF RIQHYAGKVL YQVEGFVDKN NDLLYRDLSQ</p> <p>AMWKASHALI KSLFPEGNPA KINLKRPTA GSQFKASVAT LMKNLQTKNP NYIRCIKPND</p> <p>KKAAHIFNEA LVCHQIRYLG LLENVRVRRR GYAQRQAYEP CLERYKMLCK QTWPHWKGPA</p> <p>RSQVEVLVNE LEIPVEEYSF GRSKIFIRNP RTLFKLEDLR KQRLEDLATL IQKIYRGWKC</p>

Product Details

RTHFLLMKKS QIVIAAWYRR YAQQKRYQQT KSSALVIQSY IRGWKARKIL RELKHQKRCK
EAVTTIAAYW HGTQARRELRL RLKEEARNKH AIAVIWAYWL GSKARRELKR LKEEARRKHA
VAVIWAYWLG LKVRREYRKF FRANAGKKIY EFTLQRIVQK YFLEMKNKMP SLSPIDKNWP
SRPYLFLDST HKELKRIFHL WRCKKYRDQF TDQKLIYEE KLEASELFDK KKALYPSSVG
QPFQGAYLEI NKNPKYKKLK DAIEEKIIIA EVVNKINRAN GKSTSRIFFL TNNNLLLADQ
KSGQIKSEVP LVDVTKVSMS SQNDGFFAVH LKEGSEAASK GDFLFSSDHL IEMATKLYRT
TLSQTKQKLN IEISDEFLVQ FRQDKVCVKF IQGNQKNGSV PTCKRKNNRL LEVAVP **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 IB (MYO1B)

Alternative Name: MYO1B ([MYO1B Products](#))

Background: Unconventional myosin-Ib (MYH-1c) (Myosin I alpha) (MMI-alpha) (MMIa),FUNCTION: Motor

Target Details

	protein that may participate in process critical to neuronal development and function such as cell migration, neurite outgrowth and vesicular transport. {ECO:0000250}.
Molecular Weight:	132.0 kDa
UniProt:	O43795

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