

Datasheet for ABIN7563280

**Myosin IB Protein (MYO1B) (AA 1-1107) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Myosin IB (MYO1B)
Protein Characteristics:	AA 1-1107
Origin:	Mouse
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>MAKMEVKSSL LDNMIGVGDM VLEPLNEET FIDNLKKRFD HNEIYTYIGS VVISVNPYRS LPIYSPEKVE DYRNRNFYEL SPHIFALSDE AYRSLRDQDK DQCILITGES GAGKTEASKL VMSYVAAVCG KGAEVNQVKE QLLQSNPVL AFGNAKTVRN DNSSRFGKYM DIEFDKGDGP LGGVISNYLL EKSRVVKQPR GERNFHVYFQ LLSGASEELL YKCLKERDFS RYNYLSLDSA KVNGVDDAAN FRTVRNAMQI VGFLDHEAEA VLEVVAAVLK LGNIEFKPES RVNGLDESKI KDKNELKEIC ELTSDQVVL ERAFSFRTVE AKQEKVSTTL NVAQAYYARD ALAKNLYSRL FSWLVRINE SIKAQTKVRK KVMGVLDIYG FEIFEDNSFE QFIINYCNEK LQQIFIETL KEEQEEYIRE DIEWTHIDYF NNAIICDLIE NNTNGILAML DEECLRPGTV TDEFLEKLN QVCATHQHFE SRMSKCSRFL NDTTLPHSCF RIQHYAGKVL YQVEGFVDKN NDLLYRDL SQ AMWKAGHSLI KSLFPEGNPA KVNLKRPTA GSQFKASVAT LMRNLQTKNP NYIRCIKPN D KKA AHIFNES LVCHQIRYLG LLENVRVRR A GYAFRQAYEP CLERYKMLCK QTWPHWKGPA RSGVEVLFNE LEIPVEEHSF GRSKIFIRNP RTLFQLEDLR KQRLEDLATL IQKIYRGWKC</p>

## Product Details

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RTHFLLMKRS QVVIAAWYRR YAQQKRYQKI KSSALVIQSY IRGWKARKIL RELKHQKRCK  
EAATTIAAYW HGTQARRELK RLKEEARRH AVAVIWAYWL GLKVRREYRK FFRANAGKKI  
YEFTLQRIVQ KYLLEMKNKM PSLSPIDKNW PSRPYLFLDS THKELKRIFH LWRCKKYRDQ  
FTDQQKLIYE EKLEASELFK DKKALYPSSV GQPFQAYLE INKNPKYKKL KDAIEEKIII  
AEVVKINRA NGKSTSRIFL LTNNLLLLAD QKSGQIKSEV PLVDVTKVSM SSQNDGFFAV  
HLKEGSEAAS KGDFLFSSDH LIEMATKLYR TTLSQTKQKL NIEISDEFLV QFRQDKVCVK  
FIQGNQKNGS VPTCKRKNNR LLEVAVP **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

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**Target:** Myosin IB (MYO1B)

**Alternative Name:** Myo1b ([MYO1B Products](#))

**Background:** Unconventional myosin-Ib (MIH-L) (Myosin I alpha) (MMI-alpha) (MMIa),FUNCTION: Motor protein that may participate in process critical to neuronal development and function such as

## Target Details

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cell migration, neurite outgrowth and vesicular transport.

Molecular Weight: 128.6 kDa

UniProt: [P46735](#)

## Application Details

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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

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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