

Datasheet for ABIN7554670

**Myosin IA Protein (MYO1A) (AA 1-1043) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Myosin IA (MYO1A)
Protein Characteristics:	AA 1-1043
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myosin IA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MYO1A Protein expressed in mammalian cells.
Sequence:	MPLLEGSVGV EDLVLLEPLV EESLLKNLQL RYENKEIYTY IGNVVISVNP YQLPIYGPE FIAKYQDYTF YELKPHIYAL ANVAYQLRD RDRDQCILIT GESGSGKTEA SKLVMSYVAA VCGKGEQVNS VKEQLLQSNP VLEAFGNAKT IRNNNSSRFG KYMDIEFDK GSPLGGVITN YLLEKSRLVK QLKGERNFHI FYQLLAGADE QLLKALKLER DTTGYAYLNH EVSRVDGMDD ASSFRAVQSA MAVIGFSEEE IRQVLEVTSM VLKLG NVLVA DEFQASGIPA SGIRDGRGVR EIGEMVGLNS EEVERALCSR TMETAKEKVV TALNVMQAQY ARDALAKNIY SRLFDWIVNR INESIKVGIG EKKKVMGVLD IYGFEILEDN SFEQFVINYC NEKLQQVFIE MTLKEEQEEY KREGIPWTKV DYFDNGIICK LIEHNQRGIL AMLDEECLRP GVVSDSTFLA KLNQLFSKHG HYESKVTQNA QRQYDHTMGL SCFRICHYAG KVTYNVTSFI DKNNDLLFRD LLQAMWKAQH PLLRSLFPEG NPKQASLKRPTAGAQFKSS VAILMKNLYS KSPNYIRCIK PNEHQQRGQF SSDLVATQAR YLGLLENVRV RRAGYAHRQG YGPFLERYRL LSRSTWPHWN GGDREGVEKV LGELSMSSGE LAFGKTKIFI RSPKTLFYLE EQRRRLRQLL ATLIQKIYRG WRCRTHYQLM

## Product Details

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RKSQILISSW FRGNMQKKCY GKIKASVLLI QAFVRGWKAR KNYRKYFRSE AALTLDIFIY  
KSMVQKFLG LKNNLPSTNV LDKTWPAAPY KCLSTANQEL QQLFYQWKCK RFRDQLSPKQ  
VEILREKLCA SELFKGKKAS YPQSVPIPFC GDYIGLQGNP KLQKLKGEE GPVLMAEAVK  
KVNRRNGKTS SRILLTKGH VILTDTKKSQ AKIVIGLDNV AGVSVTSLKD GLFSLHSEM  
SSVSGSKGDFL LVSEHVIELL TKMYRAVLDA TQRQLTVTVT EKFSVRFKEN SVAVKVVQGP  
AGGDNSKRLRY KKKGSHCLEV TVQ **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 IA (MYO1A)

Alternative Name: MYO1A ([MYO1A Products](#))

Background: Unconventional myosin-1a (Brush border myosin I) (BBM-I) (BBMI) (Myosin I heavy chain) (MIHC),FUNCTION: Involved in directing the movement of organelles along actin filaments. {ECO:0000305}.

## Target Details

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Molecular Weight: 118.4 kDa

UniProt: [Q9UBC5](#)

Pathways: [Sensory Perception of Sound](#)

## 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