

[Go to Product page](#)

Datasheet for ABIN7562592

Myosin IA Protein (MYO1A) (AA 1-1043) (His tag)

Overview

Quantity:	1 mg
Target:	Myosin IA (MYO1A)
Protein Characteristics:	AA 1-1043
Origin:	Mouse
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:	<p>MPLEGPVGV EDLILLEPLD EESLIKNLQL RYENKEIYTY IGVVISMNP YEQLPIYGPE FIAKYRDYTF YELKPHIYAL ANVAYQSLKD RDRDQCILIT GESGAGKTEA SKLVMSYVAA VCGKGEQVNS VKEQLLQSNP VLEAFGNAKT IRNNNSSRFG KYMDIEFDK GSPLGGVITN YLLEKSRVVK QLKGERNFHI FYQLLAGADA QLLKALKLEE DTSVYGYLNG EVSKVNGMDD ASNFRAVQHA MSVIGFSEEE IRQVLEVTAL VLKLGNVKLT DEFQANGIPA SGICDGKGIQ EIGEMMGLNS TELERALCSR TMETGKEKVV TVLNVTQAQY ARDALAKNIY SRLFDWIVKR INESIKVGTG EKKKVMGVLD IYGFEILEDN SFEQFVINYC NERLQQVFIE LTLKEEQEEY KREGIPWTKV EYFDNGIICN LIEHSQRGIL AMLDEECLRP GVVSDSTFLA KLNQLFSKHS HYESKVSQNA QRQYDRTMGL SCFRISHYAG KVTYNVTGFI DKNNDLLFRD LSQTMWKAQH PLLKSLFPEG NPKEASLKRPTAGTQFKNS VAVLMKNLYS KNPNYIRCIK PNDQQQKGRF TSEMVMVQAR YLGLLENVRV RRAGYAFRQG YKPFLERYRL LSRSTWPRWN GDDREGVEKV LGLSLTSSEE LAYGKTKIFI RSPKTLFYLE EQRRRLRQLL ATLIQKVYRG WRCRTHYQQM</p>

Product Details

RKSQILISAW FRGNKQKKHY GKIRSSVLLI QAFVRGWRAR KNYRKYFRSG AALTLANFIY
QSMAQKFLN LKKNLPSTKV LDNTWPAAPY RCFNTANQEL QRLFYQWKCK KFRDQLSPKQ
VQTLREKLCA SELFKGKKAS YPQSVPIPIFR GDYIGLQGNP KLQRLKGREE GPVLVADTVK
KVNRRNGKTS ARILLTKGH VILTDAKKSQ AQIVIGLEDV AGVSVSSLQD GLFSLHSEM
SSAVSKGDIL LVSDHVVELL TKMYQAVLDA TQRQLSVTVT EKFSVRFKEG SVAVKVIQGP
EGGGNRKLIK KKKGSNAMEV TVR **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 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

Molecular Weight: 118.7 kDa

UniProt: [O88329](#)

Pathways: [Sensory Perception of Sound](#)

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