

Datasheet for ABIN7563842

**Myosin XIX Protein (MYO19) (AA 1-963) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Myosin XIX (MYO19)
Protein Characteristics:	AA 1-963
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myosin XIX protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Myo19 Protein expressed in mammalian cells.
Sequence:	MLQQVNGHSL GSDAEGRASL KGDLREFLGG EIPLHQLDDL TKVNPVTLET VLRCLQARYT EDIFYTNAGC TLVALNPFKH VPQLYAPELM QEYHAAPQPQ KLKPHIFTVG EQTYRNVKSL IEPVNQSIVV SGESGAGKTW TSRCLMKFYA VVAASPTSCE NHKIAERIEQ RILNSNPVME AFGNACTLRN SNSSRFGKFI QLQLNRAQQM TGAAVQTYLL EKTRVACQAS SERNFHIFYQ ICKGATKDER LQWHLPEGTA FSWLPNPESSE LEEDCFEVTR EAMLHLGIDT PTQNNIFKVL AGLLHLGNVH FVDSSEALP CQVMDDTKVS VRTSALLLQL PEKMLLESMQ IRTIKAGKQQ QVFQKPCSRA ECDTRRDCLA KLIYARLFDW LVSVINSSIC ADSKSWTAFI GLLDVYGFES FPNNSLEQLC INYANEKLQQ HFVAHYLRAQ QEEYEVEGLE WSVFVNYQDNQ TCLDLLEGSP ISICSLINEE CRLNRPSSAA QLQTRIESTL AGRPCLGHNK LSREPSFVVV HFAGPVRVYHT AGLVEKNKDP VPPELTELQ QSQDPLLTML FPANPEEKTQ EELSGQSRAP ALTVVSKFKA SLEQLLQVLH NTPPHYIRCI KPNSQSQPQT FLQEEVLNQL EACGLVETIH ISAAGFPIRV

## Product Details

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SHQNFIERYK LLRRLGPRMS SGLGGLEPAE GSSEQPLCAK EATLQPLLQD ILHALPALIQ  
TAATPSDPAK NTQIPLYCGR TKIFMTDSML ELLECGRAQM LEQCARCICQ GWRRHRLQKQ  
EKQRRAAVLI QAAFRLSWLTR KHIRRLHIAA TVIKHAWHKW RIRMACLASK ELDGMEEKPM  
PQAPGTLRSS MSPAHRFLG AIIHLWPLGL VLANSADGVR GFQRKLVABA CLRLPSDRPS  
NKVQTPQQDQ AGITSIRALP QGSIKFHCRK SPLQYADICP DPSASCVTGF NQILLESHP VQV

**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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

Myosin XIX (MYO19)

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### Alternative Name:

Myo19 ([MYO19 Products](#))

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### Background:

Unconventional myosin-XIX (Myosin head domain-containing protein 1),FUNCTION: Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed:24825904). Motor protein that moves towards the plus-end of actin filaments (PubMed:24825904). Required for mitochondrial inheritance during mitosis (By similarity). May be involved in mitochondrial transport or positioning (By similarity).

## Target Details

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{ECO:0000250|UniProtKB:Q96H55, ECO:0000269|PubMed:24825904}.

Molecular Weight: 108.1 kDa

UniProt: [Q5SV80](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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