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Datasheet for ABIN7554656

**Myosin XIX Protein (MYO19) (AA 1-970) (His tag)**

## Overview

Quantity:	1 mg
Target:	Myosin XIX (MYO19)
Protein Characteristics:	AA 1-970
Origin:	Human
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 mammalien cells.
Sequence:	MLQQVNGHNP GSDGQAREYL REDLQEFLGG EVLLYKLLDDL TRVNPVTLET VLRCLQARYM ADTFYTNAGC TLVALNPFKP VPQLYSPELM REYHAAPQPQ KKKPHVFTVG EQTYRNVKSL IEPVNQSIVV SGESGAGKTW TSRCLMKFYA VVATSPASWE SHKIAERIEQ RILNSNPVME AFGNACTLRN NNSSRFGKFI QLQLNRAQQM TGAAVQTYLL EKTRVACQAS SERNFHIFYQ ICKGASEDER LQWHLPEGAA FSWLPNPERS LEEDCFEVTR EAMLHLGIDT PTQNNIFKVL AGLLHLGNIQ FAASEDEAQP CQPMDDAKYS VRTAASLLGL PEDVLLVMVQ IRTIRAGRQQ QVFRKPCARA ECDTRRDCLA KLIYARLFDW LVSVINSSIC ADTDSWTTFI GLLDVYGFES FPDNSLEQLC INYANEKLQQ HFVAHYLRAQ QEEYAVEGLE WSFINYQDNQ PCLDLIEGSP ISICSLINEE CRLNRPSSAA QLQTRJETAL AGSPCLGHNK LSREPSFIVV HYAGPVRYHT AGLVEKNKDP IPPELTRLLQ QSQDPLLMGL FPTNPKEKTQ EEPGQSRAP VLTVVSKFKA SLEQLLQVLH STTPHYIRCI KPNSQGQAQT FLQEEVLSQL EACGLVETIH ISAAGFPIRV

## Product Details

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SHRNFVERYK LLRRLHPCTS SGPDSPYPAK GLPEWCPHSE EATLEPLIQD ILHTLPVLTQ  
AAAITGDSAE AMPAPMHCGR TKVFMTDSML ELLECGRARV LEQCARCIQG GWRRHRHREQ  
ERQWRAVMLI QAAIRSWLTR KHIQRLHAAA TVIKRAWQKW RIRMACLAAK ELDGVEEKHF  
SQAPCSLSTS PLQTRLLEAI IRLWPLGLVL ANTAMGVGSF QRKLWVWACL QLPRGSPSSY  
TVQTAQDQAG VTSIRALPQG SIKFHCRKSP LRYADICPEP SPYSITGFNQ ILLERHRLIH  
VTSSAFTGLG **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:19932026, PubMed:23568824, PubMed:25447992). Motor protein that moves towards the plus-end of actin filaments (By similarity). Required for mitochondrial inheritance during mitosis (PubMed:25447992). May be involved in mitochondrial transport or

## Target Details

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positioning (PubMed:23568824). {ECO:0000250|UniProtKB:Q5SV80, ECO:0000269|PubMed:19932026, ECO:0000269|PubMed:25447992, ECO:0000305|PubMed:23568824}.

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Molecular Weight: 109.1 kDa

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UniProt: [Q96H55](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months