

Datasheet for ABIN7554646  
**MYH16 Protein (AA 1-1097) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MYH16
Protein Characteristics:	AA 1-1097
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYH16 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MYH16 Protein expressed in mammalian cells.
Sequence:	MGLKVIQQNV HKFLQLRFWG WWKLYNKVKP LLNVARQEEE MKAKEEELRK AMAQTQELVN KVKELEEKTA TLSQEKNDLT IQLQAEQENL MDAEERLTWM MKTKMDLESQ ISDMRERLEE EEGMAASLSA AKRKLEGELS DLKRDLEGLE TTLAKTEKEK QALDHKVRTL TGDLSLREDS ITKLQKEKRA LEELHQKTLT DLQAEEDKVN HLTKNNSKLS TQIHELEDNW EQEKKIRAEV EKARRKAESD LKMTIDNLNE MERSKLDLEE VVKKRDLEIN SVNSKYEDEQ SLNSTLQRKL KEHQDRIEEL EEELEAERAM RAKIEQNRKR EAELLKLRE LEEAALQSEA TASTLRKKHV DSMAELTEHV ESLQRVSKL EKDKQVMKAE IDDLNASMET IQSKMNAEA HVRKLEDSLS EANAQVAELE RNQAEINAIR TRLQAENSEL SREYEESSQR LNQILRIKTS LTSQVDDYKR QLDEESKRS TAVVSLANTK HDLDLVKEQL EEEQGGKSEL QRLVSKLNTE VTTWRTKYET DAIQRTEELE ETKRKLAARL QEAEAAETA QARAASLEKN KQRLQAEVED LTIDLEKANA AAAALDKKQR LFDKMLAEWQ QKCEELQVEV DSSQKECRMY MTESFKIKTA YEEBLEHLES VKKENKTLQE EIKDLIDQLG EGGRSVHELQ KLKKKLEMEK EELQVALEEA ESSLEVEESK

## Product Details

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VIRIQLELAQ VKADIDRRIH EKEEEFEATR KNHQRAIESL QASLEAEAKG RAEALRLKKK  
METDLNEMEI QLDHANKNNS ELVKTLLKRLQ QQIKDLQVQM DEDARQHEEL RKQYNLQERR  
LSSLQTELEE VRSALEGSER SRKLLQEVEV EITewhnein IQNQSLLVVK RKLESdVQRI  
SNEHEELISE FRLTEERAKK AMMDAARMAE ELRQEQDHCM HLEKIKKNYE VTIKDLQAKM  
EEAEQLALKG GKRTIMKLEA RIKELETELD GEQKQHVETV KTLCKNERRL KELVFQTEED  
HKTNRMQAL VEKLQNKLV YKRQIEEAED QANQTLARYR KTVHELDDAE DRAGMAETAL  
NKLRRHRVA GKGITSV **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:** MYH16

**Alternative Name:** MYH16 ([MYH16 Products](#))

**Background:** Putative uncharacterized protein MYH16 (Myosin heavy chain 16 pseudogene) (myosin heavy polypeptide 5),FUNCTION: Has most probably lost the function in masticatory muscles

## Target Details

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contraction suspected for its homologs in dog (AC F1PT61) and apes.  
{ECO:0000303|PubMed:15042088}.

Molecular Weight: 128.3 kDa

UniProt: [Q9H6N6](#)

## 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