

Datasheet for ABIN7549613
MYLK3 Protein (AA 1-819) (His tag)



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Overview

Quantity:	1 mg
Target:	MYLK3
Protein Characteristics:	AA 1-819
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYLK3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MYLK3 Protein expressed in mammalien cells.
Sequence:	<p>MSGTSKESLG HGGLPGLGKT CLTTMDTKLN MLNEKVDQLL HFQEDVTEKL QSMCRDMGHL ERGLHRLEAS RAPGPGGADG VPHIDTQAGW PEVLELVRAM QQDAAQHGAR LEALFRMVAA VDRAIALVGA TFQKSKVADF LMQGRVPWRR GSPGDSPEEN KERVEEEGGK PKHVLSTSGV QSDAREPGEE SQKADVLEGT AERLPPIRAS GLGADPAQAV VSPGQGDGVP GPAQAFPGHL PLPTKVEAKA PETPSENLR T GLELAPAPGR VNVVSPSLEV APGAGQGASS SRPDPEPLEE GTRLTPGPGP QCPGPPGLPA QARATHSGGE TPPRISIHIQ EMDTPGEMLM TGRGSLGPTL TTEAPAAAQP GKQPPGTGR CLQAPGTEPG EQTPEGAREL SPLQESSSPG GVKAEQQRA GAEPGTRPSL ARSDDNDHEV GALGLQQGKS PGAGNPEPEQ DCAARAPVRA EAVRRMPPGA EAGSVVLDLDS PAPPAPFEHR VVSVKETSIS AGYEVCQHEV LGGGRFGQVH RCTEKSTGLP LAAKIIKVK S AKDREDVKNE INIMNQLSHV NLIQLYDAFE SKHSCTLVME YVDGGELFDR ITDEKYHLTE LDVVLFT RQI CEGVHYLHQH YILHLDLKP E NILCVNQTGH QIKIIDFGLA</p>

Product Details

RRYKPREKLLK VNFGTPEFLA PEVVNYEFVS FPTDMWSVGV ITYMLLSGLS PFLGETDAET
MNFIVNCSWD FDADTFEGLS EEAKDFVSRL LVKEKSCRMS ATQCLKHEWL NNLPAKASRS
KTRLKSQLLL QKYIAQRKWK KHFYVVTAAN RLRKFPTSP **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

MYLK3

Alternative Name:

MYLK3 ([MYLK3 Products](#))

Background:

Myosin light chain kinase 3 (EC 2.7.11.18) (Cardiac-MyBP-C-associated Ca/CaM kinase) (Cardiac-MLCK),FUNCTION: Kinase that phosphorylates MYL2 in vitro. Promotes sarcomere formation in cardiomyocytes and increases cardiomyocyte contractility (By similarity). {ECO:0000250}.

Molecular Weight:

88.4 kDa

UniProt:

[Q32MK0](#)

Target Details

Pathways: [Regulation of Muscle Cell Differentiation](#)

Application Details

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

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