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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MYLK 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00004638-T01

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

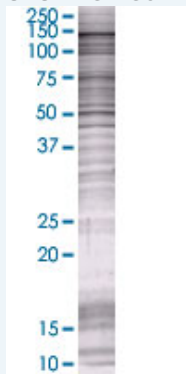
Plasmid: pCMV-MYLK full-length

Host: Human

Theoretical MW (kDa): 109.23

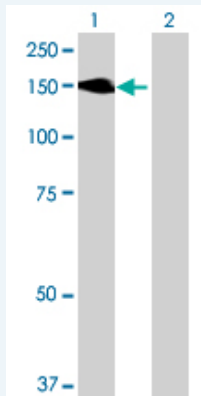
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-MYLK antibody (H00004638-B01) by Western Blots.

SDS-PAGE Gel



MYLK transfected lysate.

Western Blot



Lane 1: MYLK transfected lysate (109.23 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [4638](#)

GeneBank [NM_053030.2](#)
Accession#:

Protein [ENSP00000355024](#)
Accession#:

Gene Name: MYLK

Gene Alias: DKFZp686H10125,FLJ12216,KRP,MLCK,MLCK1,MLCK108,MLCK210,MSTP083,MYLK1,smMLCK

Gene Description: myosin light chain kinase

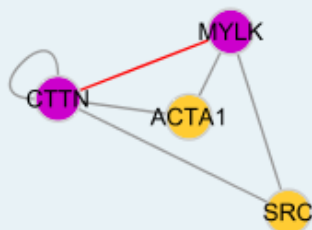
Omim ID: [600922](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene, a muscle member of the immunoglobulin gene superfamily, encodes myosin light chain kinase which is a calcium/calmodulin dependent enzyme. This kinase phosphorylates myosin regulatory light chains to facilitate myosin interaction with actin filaments to produce contractile activity. This gene encodes both smooth muscle and nonmuscle isoforms. In addition, using a separate promoter in an intron in the 3' region, it encodes telokin, a small protein identical in sequence to the C-terminus of myosin light chain kinase, that is independently expressed in smooth muscle and functions to stabilize unphosphorylated myosin filaments. A pseudogene is located on the p arm of chromosome 3. Four transcript variants that produce four isoforms of the calcium/calmodulin dependent enzyme have been identified as well as two transcripts that produce two isoforms of telokin. Additional variants have been identified but lack full length transcripts. [provided by RefSeq]

Other Designations: OTTHUMP00000180642,OTTHUMP00000180643,myosin, light polypeptide kinase,smooth muscle myosin light chain kinase

Interactome



Gene Pathway

[Calcium signaling pathway](#) [Focal adhesion](#) [Regulation of actin cytoskeleton](#)
[Vascular smooth muscle contraction](#)

Related Disease

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