

Myosin Light Chain Kinase (MYLK) Recombinant Protein | MYLK recombinant protein

Recombinant Myosin Light Chain Kinase (MYLK)

CATALOG # AAA134218	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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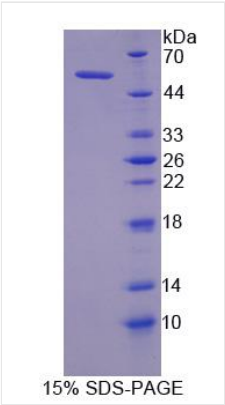
PRODUCT SYNONYMS

Myosin Light Chain Kinase (MYLK); Recombinant Myosin Light Chain Kinase (MYLK); MYLK recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH 8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose and preservative.
Sequence	FMGDNDNETL ANVTSATWDF DDEAFDEISD DAKDFISNLL KKDMKNRLDC TQCLQHPWLM KDTKNMEAKK LSKDRMKKYM ARRKWQKTGN AVRAIGRLSS MAMISGLSGR KSSTGSPTSP LNAEKLESEE DVSQAFLEAV AEEKPHVKPY FSKTIRDLEV VEGSAARFDC KIEGYDPEV VWFKDDQSIR ESRHFQIDYD EDGNCSLIIS DVCGDDD
Sequence Length	1914
Applicable Applications for MYLK recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Phe1661~Asp1877
Subcellular Location	Cytoplasm. Cell projection, lamellipodium. Cleavage furrow. Cytoskeleton
Tags	Two N-terminal Tags, His-tag and GST-tag.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	4.8
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	116008192
NCBI GeneID	4638
NCBI Accession #	NP_444253.3
NCBI GenBank Nucleotide #	NM_053025.3
UniProt Accession #	Q15746; O95796; O95797; O95798; O95799; Q14844; Q16794; Q3ZCP9; Q5MY99; Q5MYA0; Q7Z4J0; Q9C0L5
Molecular Weight	26.2kDa
NCBI Official Full Name	myosin light chain kinase, smooth muscle isoform 1
NCBI Official Synonym Full Names	myosin light chain kinase
NCBI Official Symbol	MYLK
NCBI Official Synonym Symbols	KRP; AAT7; MLCK; MLCK1; MYLK1; smMLCK; MLCK108; MLCK210; MSTP083
NCBI Protein Information	myosin light chain kinase, smooth muscle; telokin; kinase-related protein; myosin, light polypeptide kinase; smooth muscle myosin light chain kinase
UniProt Protein Name	Myosin light chain kinase, smooth muscle
UniProt Gene Name	MYLK
UniProt Synonym Gene Names	MLCK; MLCK1; MYLK1; MLCK; smMLCK; KRP
UniProt Entry Name	MYLK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.