

Recombinant Human MYLK2 protein, His & T7-tagged

Cat. No. MYLK2-8030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYLK2 aa. (Ala313~Lys562 (Accession # Q9H1R3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala313~Lys562
Description	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation 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.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

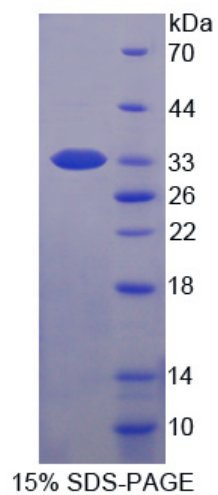
Gene Name	MYLK2 myosin light chain kinase 2 [Homo sapiens (human)]
Official Symbol	MYLK2
Synonyms	MYLK2; myosin light chain kinase 2; KMLC; MLCK; MLCK2; skMLCK; myosin light chain kinase 2, skeletal/cardiac muscle; myosin light chain kinase 2, skeletal muscle
Gene ID	85366
mRNA Refseq	NM_033118.3
Protein Refseq	NP_149109.1
UniProt ID	Q9H1R3

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SDS-PAGE



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