Recombinant Rat Mylk2 protein, His & T7-tagged

Cat. No. Mylk2-8032R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mylk2 aa. (Ala327~Thr536 (Accession # P20689)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala327~Thr536
Description	Kinase; phosphorylates a serine in the N-terminus of a myosin light chain.
Form	Freeze-dried powder
Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

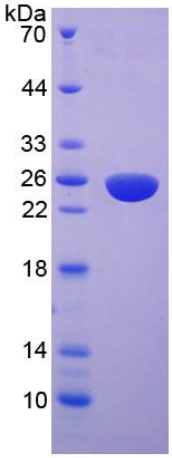
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	at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under 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 [Rattus norvegicus (Norway rat)]
Official Symbol	Mylk2
Synonyms	Mylk2; myosin light chain kinase 2; Klmc; Mlck; myosin light chain kinase 2, skeletal/cardiac muscle; MLCK2; myosin light chain kinase 2, skeletal muscle; myosin, light polypeptide kinase 2
Gene ID	117558
mRNA Refseq	NM_057209.1
Protein Refseq	NP_476557.1
UniProt ID	P20689

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SDS-PAGE	 15% SDS-PAGE

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