

Recombinant Full Length Human MYLK2 Protein, GST-tagged

Cat. No. MYLK2-6769HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYLK2 full-length ORF (NP_149109.1, 1 a.a. - 596 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	596 amino acids
Description	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle. [provided by RefSeq
Molecular Mass	91.1 kDa
AA Sequence	MATENGAVELGIQNPSTDKAPKGPTGERPLAAGKDPGPPDPKKAPDPPTLKKDAKA PASEKGDGTLAQPSTSSQGPKGEGDRGGGPAEGSAGPPAALPQQTATPETS VKKP KAEQGASGSQDPGKPRVGKKA AEGQAAARRGSPAFLHSPSCPAIISSEKLLAKKP PSEASELTFEGVPMTHSPTDPRPAKAE EGKNILAESQKEVGEKTPGQAGQAKMQG DTSRGIEFQAVPSEKSEVGQALCLTAREEDCFQILDDCPPPPAPFPHRMVELRTGNV SSEFSMNSKEALGGGKFGAVCTCMEKATGLKLA AKVIKKQTPKDKEMV LLEIEVMN QLNHRNLIQLYAAIETPHEIVLFMEYIEGGELFERIVDE DYHLTEVD TMVFVRQICD GIL FMHKMRVLHLDLKPENILCVNTTGHLVKIIDFGLARRYNPN EKLKVNFGTPEFLSPEV VNYDQISDKTDMWSMGVITYMLLSGLSPFLGDDDTETLNNVLSGNWYFDEETFEAV SDEAKDFVSNLIVKDQRRARMNAAQCLAHPWLNNLA EKAKRCNRRLKSQILLKKYLM KRRWKKNFIAVSAANRFKKISSSGALMALGV

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MYLK2 myosin light chain kinase 2 [Homo sapiens]
Official Symbol	MYLK2
Synonyms	MYLK2; myosin light chain kinase 2; myosin light chain kinase 2, skeletal muscle; myosin light chain kinase 2, skeletal/cardiac muscle; KMLC; MLCK2; skeletal muscle myosin light chain kinase; skMLCK; MLCK;
Gene ID	85366
mRNA Refseq	NM_033118
Protein Refseq	NP_149109
MIM	606566
UniProt ID	Q9H1R3

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