

Recombinant Human MYLK2, His-tagged

Cat. No. MYLK2-30269TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human MYLK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Description	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle.
Conjugation	HIS
Biological activity	Specific activity: 270nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 0.1M PMSF, 50mM Sodium phosphate, 300mM Sodium chloride, 0.2mM DTT, pH 7
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	MYLK2 myosin light chain kinase 2 [Homo sapiens]
Official Symbol	MYLK2

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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;
Gene ID	85366
mRNA Refseq	NM_033118
Protein Refseq	NP_149109
MIM	606566
Uniprot ID	Q9H1R3
Chromosome Location	20q13.31
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	ATP binding; calmodulin binding; calmodulin binding; calmodulin-dependent protein kinase activity; myosin light chain binding;