

Recombinant Human Myosin Light Chain Kinase 2, GST-tagged

Cat. No. MYLK2-1273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length MYLK2, GST-tagged.
Species	Human
Source	Insect Cells
Description	MYLK2 is a calcium/calmodulin-dependentserine/threonine kinase expressed exclusively in adult skeletal muscle. Nospecial measures were taken to activate this kinase.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
Molecular Weight	92.1 kDa
storage	Stablefor 6 months in working aliquots at -80°C. Avoidrepeated freeze-thaw cycles.
OfficialSymbol	MYLK2
Pathways	Calcium signaling pathway; Focaladhesion; Regulation of actin cytoskeleton; Vascular smooth musclecontraction
Full Length	Full L.

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GENE INFORMATION

Gene Name	MYLK2 myosin light chain kinase2 [Homo sapiens]
Synonyms	MYLK2; myosin light chainkinase 2; KMLC; MLCK; MLCK2; skMLCK; OTTHUMP00000030561; myosin light chainkinase 2, skeletal muscle; EC 2.7.11.18; OTTHUMP00000030560;OTTHUMP00000030562; skeletal muscle myosin light chain kinase; skeletalmyosin light chain kinase; Myosin light chain kinase 2, skeletal/cardiacmuscle
Gene ID	85366
mRNA Refseq	NM_033118
Protein Refseq	NP_149109
MIM	606566
UniProt ID	Q9H1R3
Chromosome Location	20q13.31
Function	ATP binding; calmodulinbinding; calmodulin binding; calmodulin-dependent protein kinase activity;myosin light chain binding; myosin light chain kinase activity; myosin lightchain kinase activity; nucleotide binding; transferase activity

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