

Recombinant Human MYLK2 (N-His tag)

Cat No:HR2R1772

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MYLK2
Gene ID	N/A
Accession	NM_033118
Alternative Name	skMLCK, KMLC, MLCK, MLCK2
Species	Human
Source	Insect cells
Description	MYLK2 is a member of the myosin light chain kinase family and is a calcium/calmodulin dependent enzyme that is exclusively expressed in adult skeletal muscle . MYLK2 has been proposed to participate in signaling pathways (calcium signaling pathway, focal adhesion, regulation of actin cytoskeleton) and cellular processes (neuromuscular synaptic transmission, protein/amino acid phosphorylation). MYLK2 is involved in multiple molecular functions as a result of various subdomains that participate in ATP binding, calmodulin binding, nucleotide binding, protein serine/threonine kinase activity and transferase activity) .
Functions	The specific activity of MYLK2 was determined to be 270 nmol/min/mg as per activity assay protocol.
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	74
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.