Recombinant Human MYL6B, His-tagged

Cat. No. MYL6B-30245TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 42-208 of Human MLC1SA with an N terminal His tag; Predicted MWt 20kDa.
Species	Human
Source	E.coli
ProteinLength	42-208 a.a.
Description	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in both slow-twitch skeletal muscle and in nonmuscle tissue. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 74 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	QAPQKTQEPPVDLSKVVIEFNKDQLEEFKEAFELFDRVGD GKILYSQCGDVMRALG

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acids	QNPTNAEVLKVLGNPKSDELKS RRVDFETFLPMLQAVAKNRGQGTYEDYLEGFRV FDKEG NGKVMGAELRHVLTTLGEKMTEEEVETVLAGHEDSNGC INYEAFLKHILSV
Sequence Similarities	Contains 3 EF-hand domains.

GENE INFORMATION

Gene Name	MYL6B myosin, light chain 6B, alkali, smooth muscle and non-muscle [Homo sapiens]
Official Symbol	MYL6B
Synonyms	MYL6B; myosin, light chain 6B, alkali, smooth muscle and non-muscle; myosin, light polypeptide 6B, alkali, smooth muscle and non muscle; myosin light chain 6B; MLC1SA; myosin light chain 1 slow a;
Gene ID	140465
mRNA Refseq	NM_001199629
Protein Refseq	NP_001186558
MIM	609930
Uniprot ID	P14649
Chromosome Location	12q13.2
Pathway	Muscle contraction, organism-specific biosystem; Smooth Muscle Contraction, organism-specific biosystem; Vascular smooth muscle contraction, organism-specific

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	biosystem; Vascular smooth muscle contraction, conserved biosystem;
Function	calcium ion binding; motor activity; protein binding; structural constituent of muscle;

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