

Myosin Light Chain 1 Recombinant Protein | MYL1 recombinant protein

Recombinant Human Myosin Light Chain 1

CATALOG # AAA38456	HOST E Coli
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PRODUCT SYNONYMS

Myosin Light Chain 1; Recombinant Human Myosin Light Chain 1; MYL1 Human; Myosin Light Chain 1 Human Recombinant; Myosin light chain 1 skeletal muscle isoform; MLC1F; A1 catalytic; Alkali myosin light chain 1; MYL1; MLC3F; MYL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Human MYL1 at a concentration of 1.52mg/ml in 10mM Tris -HCl, 1mM EDTA PH 7.5. Physical Appearance: Sterile Filtered clear solution.
Sequence Length	194
Preparation and Storage	Store vial at -20 degree C to -80 degree C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MYL1 recombinant protein	Description: Recombinant Human Ventricular Myosin Light Chain-1 (MYL1) protein has a molecular mass of 25 kDa and is fused to 7 amino acids at N-terminus. The MYL1 protein was affinity purified using anti MYL1 monoclonal antibody 39-15 column. Introduction: Myosin is a hexameric ATPase cellular motor protein, which is composed of 2 heavy chains, 2 non-phosphorylatable alkali light chains, and 2 phosphorylatable regulatory light chains. MYL1 gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Two transcript variants have been identified for the MYL1 gene. In humans MYL1 is localized to chromosome 2q32.1-qter. The Myl1 locus encodes two alkali myosin light chains- Mlc1f and Mlc3f, from two promoters that are differentially regulated throughout development. The Mlc1f promoter is active in embryonic, fetal and adult fast skeletal muscle while the Mlc3f promoter is upregulated during fetal development and stays on in adult fast skeletal muscle.
Product Categories/Family for MYL1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Myosin Light Chain

NCBI AND UNIPROT INFORMATION

NCBI GI #	17986273
NCBI GeneID	4632
NCBI Accession #	NP_524144.1
NCBI GenBank Nucleotide #	NM_079420.2
UniProt Accession #	P05976; P06741; Q6IBD5; B2R4N6; B2R4T6
Molecular Weight	16,684 Da
NCBI Official Full Name	myosin light chain 1/3, skeletal muscle isoform isoform 1f
NCBI Official Synonym Full Names	myosin, light chain 1, alkali; skeletal, fast

NCBI Official Symbol	MYL1
NCBI Official Synonym Symbols	MLC1F; MLC3F
NCBI Protein Information	myosin light chain 1/3, skeletal muscle isoform; A1 catalytic; A2 catalytic; MLC1/MLC3; MLC1F/MLC3F; myosin light chain A1/A2; myosin light chain alkali 1/2; myosin, light polypeptide 1, alkali; skeletal, fast
UniProt Protein Name	Myosin light chain 1/3, skeletal muscle isoform
UniProt Gene Name	MYL1
UniProt Synonym Gene Names	MLC1/MLC3; MLC1F/MLC3F; Myosin light chain A1/A2
UniProt Entry Name	MYL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/myl1-recombinant-protein-e-coli/38456>