

Recombinant Mouse Myl1 Protein, Myc/DDK-tagged

Cat. No. Myl1-4248M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myosin, light polypeptide 1 (Myl1), transcript variant 1f, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two non-phosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Multiple transcript variants encoding different isoforms have been identified for this gene.
Molecular Mass	20.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	MyI1 myosin, light polypeptide 1 [Mus musculus (house mouse)]
Official Symbol	MyI1
Synonyms	MYL1; myosin, light polypeptide 1; myosin light chain 1/3, skeletal muscle isoform; MLC1/MLC3; MLC1F/MLC3F; A1 catalytic; A2 catalytic; myosin light chain A1/A2; myosin light chain alkali 1/2; myosin light chain, alkali, fast skeletal muscle; myosin, light polypeptide 1, alkali; atrial, embryonic; myosin, light polypeptide 4, alkali; Mylf; MLC1f; MLC3f; AI325107
Gene ID	17901
mRNA Refseq	NM_021285
Protein Refseq	NP_067260
UniProt ID	P05977

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