Recombinant Mouse Myl12b Protein, Myc/DDK-tagged

Cat. No. Myl12b-4249M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myosin, light chain 12B, regulatory (Myl12b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.
Molecular Mass	19.8 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	Myl12b myosin, light chain 12B, regulatory [Mus musculus (house mouse)]
Official Symbol	Myl12b
Synonyms	MYL12B; myosin, light chain 12B, regulatory; myosin regulatory light chain 12B; MLC20; myosin light chain, regulatory B; myosin regulatory light chain MRLC2; myosin regulatory light chain 20 kDa; myosin regulatory light chain 2-B, smooth muscle isoform; RLC-B; C77744; Mylc2b; 1500001M02Rik
Gene ID	67938
mRNA Refseq	NM_023402
Protein Refseq	NP_075891
UniProt ID	Q3THE2

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