Recombinant Full Length Human MYL12B Protein, GST-tagged

Cat. No. MYL12B-6369HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRLC2 full-length ORF (NP_291024.1, 1 a.a. - 172 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	172 amino acids
Description	The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001 [PubMed 11942626]).[supplied by OMIM
Molecular Mass	46.2 kDa
AA Sequence	MSSKKAKTKTTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHD MLASLGKNPTDAYLDAMMNEAPGPINFTMFLTMFGEKLNGTDPEDVIRNAFACFDE EATGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFNYIEFTRILKHGAKDK DD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MYL12B myosin light chain 12B [Homo sapiens (human)]
Official Symbol	MYL12B
Synonyms	MYL12B; myosin light chain 12B; MLC-B; MRLC2; myosin regulatory light chain 12B; MLC-2; MLC-2A; MLC20; SHUJUN-1; myosin regulatory light chain 2; myosin regulatory light chain 2-B, smooth muscle isoform; myosin regulatory light chain 20 kDa; myosin regulatory light chain MRLC2; myosin, light chain 12B, regulatory
Gene ID	103910
mRNA Refseq	NM_001144944
Protein Refseq	NP_001138416
MIM	609211
UniProt ID	O14950

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