

# Recombinant Full Length Human MYL12B Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human MRLC2 full-length ORF ( NP_291024.1, 1 a.a. - 172 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	172 amino acids
<b>Description</b>	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
<b>Molecular Mass</b>	46.2 kDa
<b>AA Sequence</b>	MSSKKA <del>K</del> TKTTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHD MLASLGKNPTDAYLDAMMNEAPGPINFTMFLTMFGEKLN <del>G</del> TDPEDVIRNAFACFDE EATGTIQEDYLRELLTTMGDRFTDEEVD <del>E</del> LYREAPIDKKGNFN <del>Y</del> IEFTRILKHGAKDK DD
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MYL12B myosin light chain 12B [ Homo sapiens (human) ]
<b>Official Symbol</b>	MYL12B
<b>Synonyms</b>	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
<b>Gene ID</b>	103910
<b>mRNA Refseq</b>	NM_001144944
<b>Protein Refseq</b>	NP_001138416
<b>MIM</b>	609211
<b>UniProt ID</b>	O14950

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