

Recombinant Human MYL12B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL12B-3637H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL12B MS Standard C13 and N15-labeled recombinant protein (NP_001138418) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The activity of nonmuscle myosin II (see MYH9) 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.
Molecular Mass	17.6 kDa
AA Sequence	MSSMFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDMLASLGKNPTDAYLDAMM NEAPGPINFMTMLTMFGEKLNQDPEDVIRNAFACFDEEATGTIQEDYLRELLTTMG DRFTDEEVDELYREAPIDKKGNFNIEFTRILKHGAKDKDDTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MYL12B myosin light chain 12B \[Homo sapiens \(human\) \]](#)

Official Symbol [MYL12B](#)

Synonyms MYL12B; myosin, light chain 12B, regulatory; myosin regulatory light chain 12B; MRLC2; myosin regulatory light chain 2; MLC-2; MLC20; MLC-2A; SHUJUN-1; myosin regulatory light chain MRLC2; myosin regulatory light chain 20 kDa; myosin regulatory light chain 2-B, smooth muscle isoform; MLC-B;

Gene ID [103910](#)

mRNA Refseq [NM_001144946](#)

Protein Refseq [NP_001138418](#)

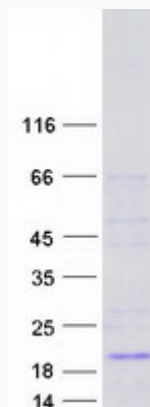
MIM [609211](#)

UniProt ID [O14950](#)

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SDS-PAGE

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