

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

**Cat. No.** MYL12B-1263H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MYL12B MS Standard C13 and N15-labeled recombinant protein (NP_291024) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 19.8 kDa                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MSSKKAKTKTTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHD<br>MLASLGKNPTDAYLDAMMNEAPGPINFTMFLTMFGEKLNKGTDPEDVIRNAFACFDE<br>EATGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFNIEFTRILKHGAKDK<br>DDTRTRPLEQKLISEEDLAANDILDYKDDDDKV      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                  |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                  |

 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

**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\_033546

**Protein Refseq** NP\_291024

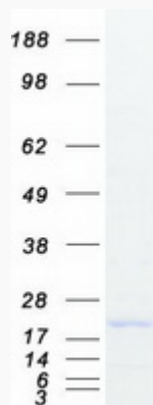
**MIM** 609211

**UniProt ID** O14950

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**SDS-PAGE**

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