

# 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 MLASLGKNPTDAYLDAMMNEAPGPINFTMFLTMFGEKLNKGTDPEDVIRNAFACFDE EATGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFNIEFTRILKHGAKDK 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.

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**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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