

Recombinant Human MYL9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL9-3447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL9 MS Standard C13 and N15-labeled recombinant protein (NP_852667) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Myosin, a structural component of muscle, consists of two heavy chains and four light chains. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	13.9 kDa
AA Sequence	MSSKRAKAKTTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHD MLASLGFIHEDHLRELLTTMGDRFTDEEVDEMYREAPIDKKGNFNHYVEFTRILKHGA KDKDDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.

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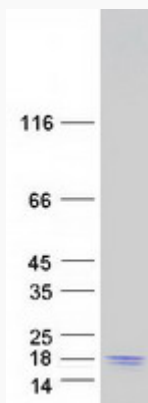
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	MYL9 myosin light chain 9 [Homo sapiens (human)]
Official Symbol	MYL9
Synonyms	MYL9; myosin, light chain 9, regulatory; myosin, light polypeptide 9, regulatory; myosin regulatory light polypeptide 9; LC20; MLC2; MRLC1; myosin regulatory light chain 1; myosin regulatory light chain 2; smooth muscle isoform; MYRL2; myosin RLC; 20 kDa myosin light chain; myosin regulatory light chain 9; myosin regulatory light chain MRLC1; myosin regulatory light chain 2, smooth muscle isoform; MLC-2C; MGC3505;
Gene ID	10398
mRNA Refseq	NM_181526
Protein Refseq	NP_852667
MIM	609905
UniProt ID	P24844

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SDS-PAGE

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