

Recombinant Human MYL4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL4-1355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL4 MS Standard C13 and N15-labeled recombinant protein (NP_002467) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Mass	21.6 kDa
AA Sequence	MAPKKPEPKKEAAKPAPAPAPAPAPAPAPEAPKEPAFDPKSVKIDFTADQIEEFK EAFSLFDRTPTGEMKITYGQCGDVLRLALGQNPTNAEVLRLVLGKPKPEEMNVKMLDF ETFLPILQHISRNKEQGTYEDFVEGLRVFDKESNGTVMGAELRHVLATLGEKMTEAE VEQLLAGQEDANGCINYEAFVKHIMSGTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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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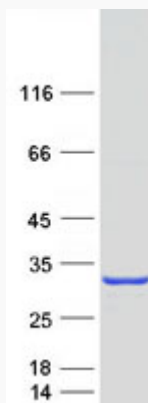
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	MYL4 myosin light chain 4 [Homo sapiens (human)]
Official Symbol	MYL4
Synonyms	MYL4; myosin, light chain 4, alkali; atrial, embryonic; myosin, light polypeptide 4, alkali; atrial, embryonic; myosin light chain 4; ALC1; AMLC; GT1; myosin; atrial/fetal muscle; light chain; PRO1957; myosin light chain alkali GT-1 isoform; myosin, atrial/fetal muscle, light chain; myosin light chain 1, embryonic muscle/atrial isoform; myosin, light polypeptide 4, alkali; atrial, embryonic;
Gene ID	4635
mRNA Refseq	NM_002476
Protein Refseq	NP_002467
MIM	160770
UniProt ID	P12829

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SDS-PAGE

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