

Recombinant Human MYL5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYL5-2489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYL5 MS Standard C13 and N15-labeled recombinant protein (NP_002468) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the myosin light chains, a component of the hexameric ATPase cellular motor protein myosin. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene product, one of the regulatory light chains, is expressed in fetal muscle and in adult retina, cerebellum, and basal ganglia.
Molecular Mass	19.4 kDa
AA Sequence	MASRKTKKKEGGALRAQRASSNVFSNFEQTQIQEFKEAFTLMDQNRDGFIDKEDLK DTYASLGKTNVKDDLDAMLKEASGPINFMTFLNLFGEKLSGTDAAETILNAFKMLDP DGKGKINKEYIKRLLMSQADKMTAAEVDQMFQFASIDVAGNLDYKALSYVITHGEEK EETRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.

 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

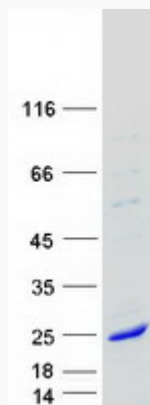
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	MYL5 myosin light chain 5 [Homo sapiens (human)]
Official Symbol	MYL5
Synonyms	MYL5; myosin, light chain 5, regulatory; myosin, light polypeptide 5, regulatory; myosin light chain 5; MYLC2; myLC-2; myosin regulatory light chain 5; superfast myosin regulatory light chain 2;
Gene ID	4636
mRNA Refseq	NM_002477
Protein Refseq	NP_002468
MIM	160782
UniProt ID	Q02045

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SDS-PAGE



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