Recombinant Human MYL4 Protein, GST-tagged

Cat. No. MYL4-5811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYL4 full-length ORF (AAH30228, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq
Molecular Mass	47.41 kDa
AA Sequence	MAPKKPEPKKEAAKPAPAPAPAPAPAPAPAPEAPKEPAFDPKSVKIDFTADQIEEFK EAFSLFDRTPTGEMKITYGQCGDVLRALGQNPTNAEVLRVLGKPKPEEMNVKMLDF ETFLPILQHISRNKEQGTYEDFVEGLRVFDKESNGTVMGAELRHVLATLGEKMTEAE VEQLLAGQEDANGCINYEAFVKHIMSG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MYL4 myosin, light chain 4, alkali; atrial, embryonic [Homo sapiens]
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_001002841
Protein Refseq	NP_001002841
MIM	160770
UniProt ID	P12829

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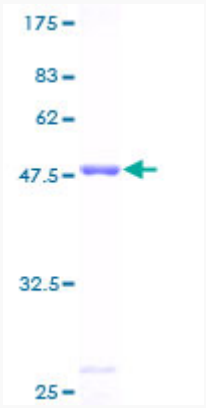
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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