

Recombinant Human MYL6B 293 Cell Lysate

Cat. No. MYL6B-4022HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for myosin, light chain 6B, alkali, smooth muscle and non-muscle (MYL6B) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name MYL6B myosin, light chain 6B, alkali, smooth muscle and non-muscle [Homo sapiens]

Official Symbol MYL6B

Synonyms MYL6B; myosin, light chain 6B, alkali, smooth muscle and non-muscle; myosin, light polypeptide 6B, alkali, smooth muscle and non muscle; myosin light chain 6B; MLC1SA; myosin light chain 1 slow a; myosin alkali light chain 1 slow a; myosin light chain 1 slow-twitch muscle A isoform; myosin light chain 1, slow-twitch muscle A isoform; smooth muscle and nonmuscle myosin light chain alkali 6B; smooth muscle and non-muscle myosin alkali light chain 6B; myosin, light polypeptide 6B, alkali, smooth muscle and non-muscle;

Gene ID 140465

mRNA Refseq NM_001199629

Protein Refseq NP_001186558

MIM 609930

UniProt ID P14649

Chromosome Location 12q13.2

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Pathway	Muscle contraction, organism-specific biosystem; Smooth Muscle Contraction, organism-specific biosystem; Vascular smooth muscle contraction, organism-specific biosystem; Vascular smooth muscle contraction, conserved biosystem;
Function	calcium ion binding; motor activity; protein binding; structural constituent of muscle;

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