

Recombinant Human MYL12B 293 Cell Lysate

Cat. No. MYL12B-4029HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myosin, light chain 12B, regulatory (MYL12B), transcript variant 2 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

MYL12B myosin, light chain 12B, regulatory [Homo sapiens]

Official Symbol

MYL12B

Synonyms

MYL12B; myosin, light chain 12B, regulatory; myosin regulatory light chain 12B; MRLC2; myosin regulatory light chain 2; MLC-2; MLC20; MLC-2A; SHUJUN-1; myosin regulatory light chain MRLC2; myosin regulatory light chain 20 kDa; myosin regulatory light chain 2-B, smooth muscle isoform; MLC-B;

Gene ID

103910

mRNA Refseq

NM_001144944

Protein Refseq

NP_001138416

MIM

609211

UniProt ID

O14950

Chromosome Location

18p11.31

Pathway

Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Leukocyte transendothelial migration, organism-specific

 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

biosystem; Leukocyte transendothelial migration, conserved biosystem; Muscle contraction, organism-specific biosystem;

Function

calcium ion binding;

 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