

Recombinant Human MYL12A 293 Cell Lysate

Cat. No. MYL12A-4030HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for myosin, light chain 12A, regulatory, non-sarcomeric (MYL12A) 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.

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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

MYL12A myosin, light chain 12A, regulatory, non-sarcomeric [Homo sapiens]

Official Symbol

MYL12A

Synonyms

MYL12A; myosin, light chain 12A, regulatory, non-sarcomeric; myosin, light polypeptide, regulatory, non sarcomeric (20kD); myosin regulatory light chain 12A; MLCB; MRCL3; MRCL3; MYL2B; myosin regulatory light chain 3; MLC-2B; myosin RLC; myosin regulatory light chain MRCL3; myosin regulatory light chain MRCL3; myosin regulatory light chain 2, nonsarcomeric; myosin, light polypeptide, regulatory, non-sarcomeric (20kD);

Gene ID

10627

mRNA Refseq

NM_006471

Protein Refseq

NP_006462

UniProt ID

P19105

Chromosome Location

18p11.31

Pathway

Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem; Regulation of actin cytoskeleton,

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organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem;
Tight junction, organism-specific biosystem;

Function

calcium ion binding;

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