

Recombinant Human MYL7 293 Cell Lysate

Cat. No. MYL7-4021HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myosin, light chain 7, regulatory (MYL7) 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

MYL7 myosin, light chain 7, regulatory [Homo sapiens]

Official Symbol

MYL7

Synonyms

MYL7; myosin, light chain 7, regulatory; myosin, light polypeptide 7, regulatory; myosin regulatory light chain 2, atrial isoform; MYL2A; MYLC2A; MLC2a; MLC-2a; myosin light chain 2a; myosin regulatory light chain 7;

Gene ID

58498

mRNA Refseq

NM_021223

Protein Refseq

NP_067046

MIM

613993

UniProt ID

Q01449

**Chromosome
Location**

7p21-p11.2

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

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Tight junction, organism-specific biosystem;

Function

ATPase activity, coupled; calcium ion binding; microfilament motor activity;

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