

Recombinant Human MYL6 293 Cell Lysate

Cat. No. MYL6-4023HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for myosin, light chain 6, alkali, smooth muscle and non-muscle (MYL6), transcript variant 1 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [MYL6 myosin, light chain 6, alkali, smooth muscle and non-muscle \[Homo sapiens \]](#)

Official Symbol MYL6

Synonyms MYL6; myosin, light chain 6, alkali, smooth muscle and non-muscle; myosin, light polypeptide 6, alkali, smooth muscle and non muscle; myosin light polypeptide 6; ESMLC; MLC1SM; MLC3NM; myosin light chain A3; 17 kDa myosin light chain; myosin light chain alkali 3; myosin, light polypeptide 6, alkali, smooth muscle and non-muscle; LC17; LC17A; LC17B; MLC-3; MLC3SM; LC17-GI; LC17-NM;

Gene ID [4637](#)

mRNA Refseq [NM_021019](#)

Protein Refseq [NP_066299](#)

MIM [609931](#)

UniProt ID [P60660](#)

Chromosome Location 12q13.13

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Muscle contraction, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-

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specific biosystem; Semaphorin interactions, organism-specific biosystem;

Function

actin-dependent ATPase activity; calcium ion binding; motor activity; protein binding;
structural constituent of muscle;

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