

Recombinant Human MYH3 293 Cell Lysate

Cat. No. MYH3-4032HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myosin, heavy chain 3, skeletal muscle, embryonic (MYH3) 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

MYH3 myosin, heavy chain 3, skeletal muscle, embryonic [Homo sapiens]

Official Symbol

MYH3

Synonyms

MYH3; myosin, heavy chain 3, skeletal muscle, embryonic; myosin-3; myosin, skeletal, heavy chain, embryonic 1; myosin heavy chain, fast skeletal muscle, embryonic; myosin, heavy polypeptide 3, skeletal muscle, embryonic; HEMHC; SMHCE; MYHSE1; MYHC-EMB;

Gene ID

4621

mRNA Refseq

NM_002470

Protein Refseq

NP_002461

Chromosome Location

17p13.1

Pathway

Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Tight junction, organism-specific biosystem; Tight junction, conserved biosystem; Viral myocarditis, organism-specific biosystem;

Function

ATP binding; actin binding; calmodulin binding; microfilament motor activity; nucleotide binding;

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