

Recombinant Human MYF6 293 Cell Lysate

Cat. No. MYF6-4033HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myogenic factor 6 (herculin) (MYF6) 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 MYF6 myogenic factor 6 (herculin) [Homo sapiens]

Official Symbol MYF6

Synonyms MYF6; myogenic factor 6 (herculin); myogenic factor 6; bHLHc4; MRF4; muscle-specific regulatory factor 4; class C basic helix-loop-helix protein 4; CNM3; myf-6;

Gene ID 4618

mRNA Refseq NM_002469

Protein Refseq NP_002460

MIM 159991

UniProt ID P23409

Chromosome Location 12q21

Pathway C-MYB transcription factor network, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Myogenesis, organism-specific biosystem;

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Function

DNA binding; contributes_to E-box binding; protein heterodimerization activity;
sequence-specific DNA binding transcription factor activity;

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