

Recombinant Human MEF2D 293 Cell Lysate

Cat. No. MEF2D-4374HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myocyte enhancer factor 2D (MEF2D) 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

MEF2D myocyte enhancer factor 2D [Homo sapiens]

Official Symbol

MEF2D

Synonyms

MEF2D; myocyte enhancer factor 2D; myocyte-specific enhancer factor 2D; MEF2D/DAZAP1 fusion; MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D); myocyte enhancer factor 2D/deleted in azoospermia associated protein 1 fusion protein; DKFZp686I1536;

Gene ID

4209

mRNA Refseq

NM_005920

Protein Refseq

NP_005911

MIM

600663

UniProt ID

Q14814

Chromosome Location

1q12-q23

Pathway

Adipogenesis, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Energy Metabolism, organism-specific biosystem;

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Myogenesis, organism-specific biosystem; Role of Calcineurin-dependent NFAT signaling in lymphocytes, organism-specific biosystem;

Function

DNA binding; RNA polymerase II regulatory region sequence-specific DNA binding; activating transcription factor binding; histone deacetylase binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity;

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