

Recombinant Human MEF2C 293 Cell Lysate

Cat. No. MEF2C-4375HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myocyte enhancer factor 2C (MEF2C), 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.

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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

MEF2C myocyte enhancer factor 2C [Homo sapiens]

Official Symbol

MEF2C

Synonyms

MEF2C; myocyte enhancer factor 2C; myocyte-specific enhancer factor 2C; MADS box transcription enhancer factor 2, polypeptide C; C5DELq14.3; DEL5q14.3;

Gene ID

4208

mRNA Refseq

NM_001131005

Protein Refseq

NP_001124477

MIM

600662

UniProt ID

Q06413

**Chromosome
Location**

5q14

Pathway

Activated TLR4 signalling, organism-specific biosystem; Adipogenesis, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ERK/MAPK targets, organism-specific biosystem;

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Function

AT DNA binding; DNA binding; DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; RNA polymerase II regulatory region sequence-specific DNA binding; activating transcription factor binding; miRNA binding; protein binding; protein heterodimerization activity; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;

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