

Recombinant Human MEF2A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MEF2A-2972H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MEF2A MS Standard C13 and N15-labeled recombinant protein (NP_005578) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular processes, including muscle development, neuronal differentiation, cell growth control, and apoptosis. Defects in this gene could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1). Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	53.7 kDa
AA Sequence	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSSNKLFQYAS TDMDKVLLKYTEYNEPHESRTNSDIVEALNKKEHRGCDSPDPDTSYVLTPTHTEEKYK KINEEFDNMMRNHKKIAPGLPPQNFMSVTVPTSPNALSYTNPGSSLVSPSLAASST LTDSSMLSPQTTLHRNVSPGAPQRPPSTGNAGGMLSTTDLTVPNGAGSSPVGNG FVNSRASP NLIGATGANS LGKVMPTKSPPPPGG NLGMNSRKPDLRVIPPSSKGM MPPLNTQRISSSQATQPLATPVVSVTTPSLPPQGLVYSAMPTAYNTDYS LTSADLSA

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LQGFNSPGMLSLGQVSAWQQHHLGQAALSSLVAGGQLSQGSNLSINTNQNISIKSE
 PISPPRDRMTPSGFQQQQQQQQQQPPPPPPQPQPQPQPQPQPRQEMGRSPVDSL
 SSSSSSYDGSREDPRGDFHSPIVLGRPPNTEDRESPSVKRMMDAWVTSGPTRT
 RRLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MEF2A myocyte enhancer factor 2A [Homo sapiens (human)]

Official Symbol MEF2A

Synonyms MEF2A; myocyte enhancer factor 2A; myocyte-specific enhancer factor 2A; serum response factor-like protein 1; MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A); mef2; ADCAD1; RSRFC4; RSRFC9;

Gene ID 4205

mRNA Refseq NM_005587

Protein Refseq NP_005578

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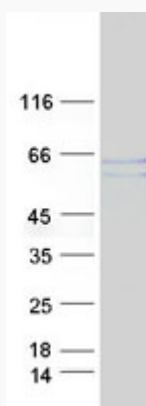
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MIM 600660

UniProt ID Q02078

SDS-PAGE



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