

Recombinant Full Length Human MEF2A Protein, GST-tagged

Cat. No. MEF2A-6257HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MEF2A full-length ORF (AAH13437, 1 a.a. - 499 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	499 amino acids
Description	The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes agamous and deficiens and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain.[supplied by OMIM
Molecular Mass	80.41 kDa

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AA Sequence	MGRKKIQITRIMDERNRQVTFTRKRFGLMKKAYELSVLCDCEIALIIFNSSNKLQYAS TDMDKVLLKYTEYNEPHESRTNSDIVEALNKKHEHRGCDSPDPDTSYVLTPHTEEEKYK KINEEFDNMMRNHKKIAPGLPPQNFMSVTPVTSPNALSNTNPGSSLVSPSLAASST LTDSSMLSPQTTLHRNVSPGAPQRPPSTGNAGGMLSTTDLTPNGAGSSPVGNG FVNSRASPNLIGATGANS LGKVMPTKSPPPPGGGLGMNSRRPDLRVVIPSSKGM MPPLNTQRISSSQATQPLATPVVSVTTPSLPPQGLVYSAMPTAYNTDYSLTADLSA LQGFNSPGMLSLGQVSAWQQHHLGQAALSSLVAGGQLSQGSNLSINTNQNISIKSE PISPPRDRMTPSGFQQQQQQQQQQPPPPPPQPQPQPQPQPQPRQEMGRSPVDSL SSSSSSYDGS DREDPRGDFHSPIVLGRPPNTEDRESPSVKRM RMDAWVT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MEF2A myocyte enhancer factor 2A [Homo sapiens]
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_001130926
Protein Refseq	NP_001124398
MIM	600660

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