Recombinant Full Length Human MEF2A Protein, C-Flag-tagged

Cat. No. MEF2A-1842HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MEF2A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.7 kDa
AA Sequence	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSSNKLFQYAS TDMDKVLLKYT EYNEPHESRTNSDIVEALNKKEHRGCDSPDPDTSYVLTPHTEEKY KKINEEFDNMMRNHKIAPGLPPQNF SMSVTVPVTSPNALSYTNPGSSLVSPSLAAS STLTDSSMLSPPQTTLHRNVSPGAPQRPPSTGNAGGMLS TTDLTVPNGAGSSPVG NGFVNSRASPNLIGATGANSLGKVMPTKSPPPPGGGNLGMNSRKPDLRVVIPPS SK

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

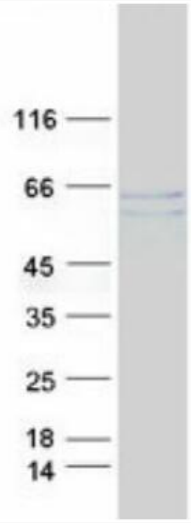
	GMMPPLNTQRISSSQATQPLATPVVSVTTPSLPPQGLVYSAMPTAYNTDYSLTSADL SALQGFNSPGM LSLGQVSAWQQHHLGQAALSSLVAGGQLSQGSNLSINTNQNISIK SEPISPPRDRMTPSGFQQQQQQQQQ QQPPPPPQPQPQPPQPQPRQEMGRSPVD SLSSSSSSYDGSDREDPRGDFHSPIVLGRPPNTEDRESPSVK RMRMDAWVT SGP TRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	MEF2A myocyte enhancer factor 2A [Homo sapiens (human)]
Official Symbol	MEF2A
Synonyms	mef2; ADCAD1; RSRFC4; RSRFC9
Gene ID	4205

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mRNA Refseq	NM_005587.6
Protein Refseq	NP_005578.2
MIM	600660
UniProt ID	Q02078



Coomassie blue staining of purified MEF2A protein.

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