

Recombinant Mouse Mef2a Protein, Myc/DDK-tagged

Cat. No. Mef2a-4024M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myocyte enhancer factor 2A (cDNA clone MGC:106070 IMAGE:4979487), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-3', found in numerous muscle-specific genes. Also involved in the activation of numerous growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. In cerebellar granule neurons, phosphorylated and sumoylated MEF2A represses transcription of NUR77 promoting synaptic differentiation. Associates with chromatin to the ZNF16 promoter.
Molecular Mass	53 kDa
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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mef2a myocyte enhancer factor 2A [Mus musculus (house mouse)]
Official Symbol	Mef2a
Synonyms	Mef2a; myocyte enhancer factor 2A; A430079H05Rik; myocyte-specific enhancer factor 2A
Gene ID	17258
mRNA Refseq	NM_001033713
Protein Refseq	NP_001028885
UniProt ID	Q60929

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