

Recombinant Human MEF2C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MEF2C-811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MEF2C MS Standard C13 and N15-labeled recombinant protein (NP_002388) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe cognitive disability, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described.
Molecular Mass	51 kDa
AA Sequence	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSTNKLQYAS TDMDKVLLKYTEYNEPHESRTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPESD KYRKINEDIDLISRQRLCAVPPPNFEMPVSIPVSSHNSLVSNPVSSLGNPNLLPLA HPSLQRNSMSPGVTHRPPSAGNTGGLMGGDLTSGAGTSAGNGYGNPRNSPGLLV SPGNLNKNMQAKSPPPMNLGMNNRKPDLRLVIPPVSGSKNTMPSVSEDVDLLLNQRIN NSQSAQSLATPVVSVATPTLPGQGMGGYPSAISTTYGTEYSLSSADLSSLSGFNTAS

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ALHLGSVTGWQQQHLHNMPPSALSQLGACTSTHLSQSSNLSLPSTQSLNIKSEPV
PPRDRTTTPSRYPQHTRHEAGRSPVDSLSSCSSSYDGSREDHRNEFHSPIGLTRP
SPDERESPSVKRMRLSEGWATTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 MEF2C myocyte enhancer factor 2C [Homo sapiens (human)]

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_002397

Protein Refseq NP_002388

MIM 600662

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UniProt ID

Q06413

SDS-PAGE

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