

Recombinant Human MEF2C

Cat. No. MEF2C-29558TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MEF2C with N terminal proprietary tag, 77.66kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	469 amino acids
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 mental retardation, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described.
Molecular Weight	77.660kDa inclusive of tags
Tissue specificity	Expressed in brain and skeletal muscle.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCD CEIALIIFNSTNKLQFYAS TDMDKVLLKYTEYNEQHEES RTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPSE DKYR KINEDIDLMISRQRLCAVPPPNFEMPVSIPVSSHNSLV YSNPVSSLGNPNLLP LAHPSLQRNSMSPGVTHRPPSAGNT GGLMGGDLTSGAGTSAGNGYGNPRNSPGL LVSPGNLNK NMQAKSPPPMNLGMNNRKPDLRVLIPPGSKNTMPSVSEDV DLLLNQ RINNSQSAQSLATPVVSVATPTLPGQGMGGYP SAISTTYGTEYSLSSADLSSLSGFN TASALHLGSVTGWQQ QHLHNMQPSALSQLGACTSTHLSQSSNLSLPSTQSLNI KS EPVSPPRDRTTTTPSRYPQHTRHEAGRSPVDSLSSCSSS YDGSREDHRNEFHSP GLTRPSPDERESPSVKRMRLS E
Sequence Similarities	Belongs to the MEF2 family.Contains 1 MADS-box domain.Contains 1 Mef2-type DNA-binding domain.

GENE INFORMATION

Gene Name	MEF2C myocyte enhancer factor 2C [Homo sapiens]
Official Symbol	MEF2C
Synonyms	MEF2C; myocyte enhancer factor 2C; myocyte-specific enhancer factor 2C;
Gene ID	4208
mRNA Refseq	NM_001131005
Protein Refseq	NP_001124477

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MIM	600662
Uniprot ID	Q06413
Chromosome Location	5q14
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adipogenesis, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	AT DNA binding; DNA binding; DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II core promoter sequence-specific DNA b;

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