Recombinant Full Length Human MEF2C Protein, C-Flag-tagged

Cat. No. MEF2C-671HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MEF2C Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51 kDa
AA Sequence	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSTNKLFQYAS TDMDKVLLKYT EYNEPHESRTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPESED KYRKINEDIDLMISRQRLCAVPPPN FEMPVSIPVSSHNSLVYSNPVSSLGNPNLLPLA HPSLQRNSMSPGVTHRPPSAGNTGGLMGGDLTSGAGT SAGNGYGNPRNSPGLLV SPGNLNKNMQAKSPPPMNLGMNNRKPDLRVLIPPGSKNTMPSVSEDVDLLLNQ RI

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

	NNSQSAQSLATPVVSVATPTLPGQGMGGYPSAISTTYGTEYSLSSADLSSLSGFNTA SALHLGSVTGW QQQHLHNMPPSALSQLGACTSTHLSQSSNLSLPSTQSLNIKSEPV SPPRDRTTTPSRYPQHTRHEAGRSP VDSLSSCSSSYDGSDREDHRNEFHSPIGLTRPSPDERESPSVKRMRLSEGWATTRT RPLEQKLISEEDLAANDILDYKDDDDKV
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
Protein Pathways	MAPK signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	MEF2C myocyte enhancer factor 2C [Homo sapiens (human)]
Official Symbol	MEF2C
Synonyms	NEDHSIL; DEL5q14.3; C5DELq14.3

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Gene ID	4208
mRNA Refseq	NM_002397.5
Protein Refseq	NP_002388.2
MIM	600662
UniProt ID	Q06413

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