

Product datasheet for PH320584

MEF2C (NM_002397) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MEF2C MS Standard C13 and N15-labeled recombinant protein (NP_002388)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220584
Predicted MW:	51 kDa
Protein Sequence:	>RC220584 representing NM_002397 Red=Cloning site Green=Tags(s)

MGRKKIQITRIMDERNRQVTFTRKRFGLMKKAYELSVLCDCEIALIIFNSTNKL FQYASTMDKVL LKYT
EYNPHE SRTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPSEDKYRKINEDIDLMSRQRLCAVPPPN
FEMPVSI PVSSHNSLVSNPVSSLGNPNLLPLAHP SLQRNSMSPGVTHRPPSAGNTGGLMGGDLTSGAGT
SAGNGYGNPRNSPGLLVSPGNLNKNMQAKSPPPMNLGMNNRKPDLRVLIPPGSKNTMPVSEDVDLLLNQ
RINNSQSAQSLATPVVSVATPTLPGQGMGGYPSAISTTYGTEYSLSSADLSSLSGFNTASALHLSVTVGW
QQQHLHNMPPSALSQLGACTSTHLSQSSNLSLPSTQSLNIKSEPVSPPRDRTTTTSPRYPQHTRHEAGRSP
VDSLSSCSSSYDGS DREDHRNEFHSP IGLTRPSPDERESPSVKRMRLSEGWAT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002388</u>
RefSeq Size:	4077
RefSeq ORF:	1419
Synonyms:	C5DELq14.3; DEL5q14.3



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Locus ID: 4208

UniProt ID: [Q06413](#), [A0A024RAL7](#)

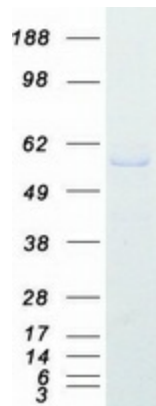
Cytogenetics: 5q14.3

Summary: 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. [provided by RefSeq, Jul 2010]

Protein Families: Transcription Factors

Protein Pathways: MAPK signaling pathway

Product images:



Coomassie blue staining of purified MEF2C protein (Cat# [TP320584]). The protein was produced from HEK293T cells transfected with MEF2C cDNA clone (Cat# [RC220584]) using MegaTran 2.0 (Cat# [TT210002]).