

Product datasheet for **SC325962**

MEF2C (NM_001131005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEF2C (NM_001131005) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEF2C
Synonyms:	C5DELq14.3; DEL5q14.3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001131005 edited
 ATGGGGAGAAAAAGATTACAGATTACGAGGATTATGGATGAACGTAACAGACAGGTGACA
 TTTACAAAGAGGAAATTTGGGTTGATGAAGAAGGCTTATGAGCTGAGCGTGTGTGAC
 TGTGAGATTGCGCTGATCATCTTCAACAGCACCAACAAGCTGTTCCAGTATGCCAGCACC
 GACATGGACAAAGTGCTTCTCAAGTACACGGAGTACAACGAGCCGCATGAGAGCCGGACA
 AACTCAGACATCGTGGAGGCATTGAACAAGAAAGAAAACAAAGGCTGTGAAAGCCCGAT
 CCCGACTCCTCTTATGCACTCACCCACGCACTGAAGAAAAATACAAAAAATTAATGAA
 GAATTTGATAATATGATCAAGAGTCATAAAATTCCTGCTGTTCCACCTCCCAACTCGAG
 ATGCCAGTCTCCATCCCAGTGTCCAGCCACAACAGTTTGGTGTACAGCAACCCTGTCAGC
 TCACTGGGAAACCCCAACCTATTGCCACTGGCTCACCTTCTCTGCAGAGGAATAGTATG
 TCTCCTGGTGTAAACACATCGACCTCCAAGTGCAGGTAACACAGGTGGTCTGATGGGTGGA
 GACCTCACGTCTGGTGCAGGCCACAGTGCAGGGAACGGGTATGGCAATCCCCGAAACTCA
 CCAAGTCTGCTGGTCTCACCTGGTAACCTTGAACAAGAATATGCAAGCAAAATCTCCTCCC
 CCAATGAATTTAGGAATGAATAACCGTAAACCAGATCTCCGAGTCTTATTCCACCAGGC
 AGCAAGAATACGATGCCATCAGTGAATCAAAGGATAAATAACTCCCAGTCGGCTCAGTCA
 TTGGCTACCCAGTGGTTCCGTAGCAACTCCTACTTTACCAGGACAAGGAATGGGAGGA
 TATCCATCAGCCATTTCAACAACATATGGTACCGAGTACTCTCTGAGTAGTCAGACCTG
 TCATCTCTGTCTGGGTTTAAACCCGCCAGCGCTTTCACCTTGGTTCAGTAACTGGCTGG
 CAACAGCAACACTACATAACATGCCACCATCTGCCCTCAGTCAGTTGGGAGCTTGCAC
 AGCACTAATTTATCTCAGAGTTCAAATCTCTCCCTGCCTTCTACTCAAAGCCTCAACATC
 AAGTCAGAACCTGTTTCTCCTCCTAGAGACCGTACCACCACCCCTTCGAGATACCCACAA
 CACACGCCACGAGGCGGGGAGATCTCCTGTTGACAGCTTGGCAGCTGTAGCAGTTGCG
 TACGACGGGAGCGACCGAGAGGATCACCGGAACGAATTCACCTCCCCATTGGACTCACC
 AGACCTTCGCCGACGAAAGGGAAAGTCCCTCAGTCAAGCGCATGCGACTTTCTGAAGGA
 TGGGCAACATGA

Restriction Sites: Please inquire



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ACCN:	NM_001131005
Insert Size:	1500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001131005.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001131005.1</u> , <u>NP_001124477.1</u>
RefSeq Size:	6131 bp
RefSeq ORF:	1392 bp
Locus ID:	4208
UniProt ID:	<u>Q06413</u>
Cytogenetics:	5q14.3
Protein Families:	Transcription Factors
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>