

Product datasheet for **SC331157**

MEF2C (NM_001193350) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MEF2C (NM_001193350) Human Untagged Clone
Tag: Tag Free
Symbol: MEF2C
Synonyms: C5DELq14.3; DEL5q14.3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331157 representing NM_001193350.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGAGAAAAAGATTACGATTACGAGGATTATGGATGAACGTAAACAGACAGGTGACATTTACAAG
AGGAAATTTGGGTTGATGAAGAAGGCTTATGAGCTGAGCGTGCTGTGACTGTGAGATTGCGCTGATC
ATCTTCAACAGCACCAACAAGCTGTTCCAGTATGCCAGCACCGACATGGACAAAGTCTTCAAGTAC
ACGGAGTACAACGAGCCGCATGAGAGCCGGACAAACTCAGACATCGTGGAGACGTTGAGAAAGAAGGGC
CTTAATGGCTGTGACAGCCAGACCCCGATGCGGACGATTCCGTAGGTCACAGCCCTGAGTCTGAGGAC
AAGTACAGGAAAATTAACGAAGATATTGATCTAATGATCAGCAGGCAAAGATTGTGTGCTGTTCCACCT
CCCAACTTCGAGATGCCAGTCTCCATCCCAGTGTCCAGCCACAACAGTTTGGTGTACAGCAACCCTGTC
AGCTCACTGGGAAACCCCAACCTATTGCCACTGGCTCACCTTCTCTGCAGAGGAATAGTATGTCTCCT
GGTGTAACACATCGACCTCCAAGTGCAGGTAACACAGGTGGTCTGATGGGTGGAGACCTCACGTCTGGT
GCAGGCACCAGTGCAGGGAACGGGTATGGCAATCCCCGAAACTCACAGGTCTGCTGGTCTCACCTGGT
AACTTGAACAAGAATATGCAAGCAAAATCTCTCCCCAATGAATTTAGGAATGAATAACCGTAAACCA
GATCTCCGAGTTCTTATCCACCAGGCAGCAAGAATACGATGCCATCAGTGTCTGAGGATGTCGACCTG
CTTTTGAATCAAAGGATAAATAACTCCCAGTCGGCTCAGTCATTGGCTACCCAGTGGTTCCGTAGCA
ACTCTACTTTACCAGGACAAGGAATGGGAGGATATCCATCAGCCATTTCAACAACATATGGTACCGGAG
TACTCTCTGAGTAGTGCAGACCTGTCATCTGTCTGGGTTTAAACACCGCCAGCGCTCTTACCTTGGT
TCAGTAACTGGCTGGCAACAGCAACACCTACATAACATGCCACCATCTGCCCTCAGTCAGTTGGGAGCT
TGCACTAGCACTCATTTATCTCAGAGTTCAAATCTCTCCCTGCCTTCTACTCAAAGCCTCAACATCAAG
TCAGAACCTGTTTCTCCTCCTAGAGACCGTACCACCACCCTTCGAGATACCCACAACACACGCGCCAC
GAGGCGGGGAGATCTCCTGTTGACAGCTTGAGCAGCTGTAGCAGTTTCGTACGACGGGAGCGACCGGAG
GATCACCGGAACGAATCCACTCCCCATTGGACTCACAGACCTTCGCCGGACGAAAGGGAAAGTCCC
TCAGTCAAGCGCATGCGACTTTCTGAAGGATGGGCAACA TGA
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001193350
Insert Size: 1422 bp



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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).
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:	NM_001193350.1
RefSeq Size:	6446 bp
RefSeq ORF:	1422 bp
Locus ID:	4208
UniProt ID:	Q06413
Cytogenetics:	5q14.3
Protein Families:	Transcription Factors
Protein Pathways:	MAPK signaling pathway
MW:	51.2 kDa
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 (6) differs in the 5' UTR compared to variant 1. Variants 1, 6, and 9-11 all encode the same 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>