

## Product datasheet for **SC333075**

### MEF2D (NM\_001271629) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MEF2D (NM\_001271629) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MEF2D  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333075 representing NM\_001271629.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGAGGAAAAAGATTGATCCAGCGAATCACCGACGAGCGGAACCGACAGGTGACTTTCACCAAG
CGGAAGTTTGGCCTGATGAAGAAGGCGTATGAGCTGAGCGTGCTATGTGACTGCGAGATCGCACTCATC
ATCTTCAACCACTCCAACAAGCTGTTCCAGTACGCCAGCACCGACATGGACAAGGTGCTGCTCAAGTAC
ACGGAGTACAATGAGCCACACGAGAGCCGACCAACGCCGACATCATCGAGACCTGAGGAAGAAGGGC
TTCAACGGCTGCGACAGCCCCGAGCCCCGACGGGGAGGACTCGCTGGAACAGAGCCCCCTGCTGGAGGAC
AAGTACCGACGGCCAGCGAGGAGCTCGACGGGCTCTCCGGCGCTATGGGTCAACTGTCCCGGCCCC
AACTTTGCCATGCCTGTACGGTGCCCGTGTCCAATCAGAGCTCACTGCAGTTTCAGCAATCCCAGCGGC
TCCTTGGTCAACCCTTCCCTGGTGACATCATCCCTCACGACCCGCGGCTCCTGTCCCCCAGCAGCCA
GCACTACAGAGGAACAGTGTGTCTCCTGGCCTGCCCCAGCGCCAGCTAGTGCGGGGCCATGCTGGGG
GGTGACCTGAACAGTGTAAACGGAGCCTGCCCCAGCCCTGTTGGGAATGGCTACGTAGTCTCGGGCT
TCCCTGGCCTCCTCCCTGTGGCAATGGCAACAGCCTAAACAAGGTATCCCTGCCAAGTCTCCACCC
CCACCTACCCACAGCACCAGCTTGGAGCCCCAGCCGCAAGCCGACCTGCGAGTCACTTCCCAG
GCAGGAAAGGGTTAATGCATCACTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACTATTTCG
CTCACCACCCAGTGGTTTCTGTGGCAACGCCAGTTTACTCAGCCAGGGCTCCCTTCTCTTCCATG
CCCACTGCCTACAACACAGATTACAGTTGACCAAGTGCAGAGCTCTCCTCCTTACCAGCCTTTAGTTCA
CCTGGGGGGTGTGCTAGGCAATGTCAGTGCCTGGCAACAGCCACAGCAGCCCCAGCAGCCGACAGCAG
CCACAGCCTCCACAGCAGCAGCCACCGCAGCCACAGCAGCCACAGCAGCCTCAGCAGCCGCAA
CAGCCACCTCAGCAACAGTCCCACCTGGTCCCTGTATCTCTCAGCAACCTCATCCCGGCAGCCCCCTG
CCCCAGTGGGTGCTGCCCTCACAGTACCACCCACCCACATCAGCATCAAGTCAAGACCGGTGTCC
CCAAGCCGTGAGCGCAGCCCTGCGCCTCCCCCTCCAGTGTGTTCCAGTGCAGCCCTGAGCCTGGC
GATGGTCTCAGCAGCCCAGCCGGGGATCCTATGAGACGGGAGACCGGGATGACGGACGGGGGACTTC
GGGCCCACACTGGGCTGCTGCGCCAGCCCCAGAGCCTGAGGCTGAGGGCTCAGCTGTGAAGAGGATG
CGGCTTGATACCTGGACATTAAGTGA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271629  
**Insert Size:** 1545 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271629.1</a>
<b>RefSeq Size:</b>	5694 bp
<b>RefSeq ORF:</b>	1545 bp
<b>Locus ID:</b>	4209
<b>UniProt ID:</b>	<a href="#">Q14814</a>
<b>Cytogenetics:</b>	1q22
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	55.1 kDa
<b>Gene Summary:</b>	<p>This gene is a member of the myocyte-specific enhancer factor 2 (MEF2) family of transcription factors. Members of this family are involved in control of muscle and neuronal cell differentiation and development, and are regulated by class II histone deacetylases. Fusions of the encoded protein with Deleted in Azoospermia-Associated Protein 1 (DAZAP1) due to a translocation have been found in an acute lymphoblastic leukemia cell line, suggesting a role in leukemogenesis. The encoded protein may also be involved in Parkinson disease and myotonic dystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]</p> <p>Transcript Variant: This variant (2) contains an alternate exon and splice site in the 5' UTR, and lacks an internal in-frame exon in the coding region, compared to variant 1. The resulting isoform (2, also known as hMEF2Da0), 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>