

Product datasheet for **MC216342**

Celf3 (NM_172434) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Celf3 (NM_172434) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Celf3
Synonyms:	4930415M08Rik; BRUNOL1; CAGH4; ERDA4; Tnrc4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216342 representing NM_172434
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGAGCCAGATGCCATCAAGCTGTTGTGGGCAGATCCCGAGGCATCTGGAGAAAAGACCTGA
 AGCCCATCTTCGAGCAGTTTGGTCGGATCTTCGAGCTGACTGTCATCAAGGACAAGTACACCGGGCTGCA
 CAAGGGATGTGCTTTCCTGACGTAAGTGTCTCGGATTACAGCCCTGAAGGCCAGAGTGCCTGCACGAA
 CAGAAGACTCTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTCGAGGAGACC
 GGAAGCTCTTTGTGGCATGCTAGGAAAGCAGCAGACAGATGAGGATGTCGGGAAGATGTTTGAACCATT
 TGGGACTATAGACGAGTGCAGTGTCTCCGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTGAAG
 TTCAGACTCACGCTGAGGCCAGGCAGCCATCAACACCCTTCACAGCAGCCGGACCCTACCGGGTGCCT
 CATCCAGCCTGGTAAAGTTTGTGACACGGAGAAGGAGCGAGGTCTCCGTCGAATGCAGCAGGTGGC
 TACCCAGCTGGGCATGTTAGCCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTG
 ATGCAGCAGCAGCGGCCCTGGTAGCAGCTCACAGTGCCTACCTCAGCCCTATGGCCACCATGGCTGCCG
 TGCAGATGCAGCACATGGCTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTCAGG
 AACCCAGCACCCCTCCTGCCATTGCTGCCAGCCCGTCTCTGCCATCCCTGCTGCCTTGGGCGTCAACGGC
 TACAGCCCGGTGCCACCCAGCCTACAGGGCAGCCTGCCCCGGATGCTCTGTATCCCAACGGGGTTACC
 CTTACCCAGCCCAGAGCCCGGCAGCCCCGTGGACCCTCTCCAGCAGGCCTATGCAGGAATGCAGCACTA
 CACAGCAGCGTACCCCGCAGCCTACAGCCTGGTTGCACCTGCGTTCGCCAGCCTCCAGCCCTGGTTGCC
 CAGCAGCCCCACCACCCTCAGCAACAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAAC
 GGAAGGCCCTGATGGTGCAACATCTTCATCTACCACCTGCCCCAGGAGTTCACAGACTCAGAGATCCT
 CCAGATGTTTGTCCCTTTTGGTCATGTCATCTCAGCCAAAGTCTTTGTTGACCGGGCCACCAATCAGAGC
 AAATGTTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTGCCAGGCTGCCATCCAGGCTATGAACGGTT
 TCCAGATTGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCAAACAGGCCCTACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172434

Insert Size: 1398 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).

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:

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_172434.3](#), [NP_766022.1](#)

RefSeq Size: 3049 bp

RefSeq ORF: 1398 bp

Locus ID: 78784

UniProt ID: [Q8CIN6](#)

Cytogenetics: 3 F2.1

Gene Summary: RNA-binding protein involved in the regulation of pre-mRNA alternative splicing. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Activates the splicing of MAPT/Tau exon 10. Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA (By similarity). [UniProtKB/Swiss-Prot Function]