

## Product datasheet for **MC227444**

### Celf3 (NM\_001289616) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Celf3 (NM\_001289616) 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  
**Fully Sequenced ORF:** >MC227444 representing NM\_001289616  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTCGAGGAGACCGGAAGCTCTTTGTGGCA  
TGCTAGGAAAGCAGCAGACAGATGAGGATGTCCGGAAGATGTTTGAACATTTGGGACTATAGACGAGTG  
CACTGTGCTCCGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTGAAGTCCAGACTCAGCCTGAG  
GCCAGGCAGCCATCAACACCCTTCACAGCAGCCGGACCCTACCGGGTGCCTCATCCAGCCTGGTGGTAA  
AGTTTGCTGACACGGAGAAGGAGCGAGGTCTCCGTGCAATGCAGCAGGTGGCTACCCAGCTGGGCATGTT  
CAGCCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTGATGCAGCAGCAGCGGCC  
CTGGTAGCAGCTCACAGTGCCTACCTCAGCCCTATGGCCACCATGGCTGCCGTGCAGATGCAGCACATGG  
CTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTCAGGAACCAGCACCCCTCCTGC  
CATTGCTGCCACGCCGTCTCTGCCATCCCTGCTGCCTTGGGCGTCAACGGCTACAGCCCGGTGCCACC  
CAGCCTACAGGGCAGCCTGCCCCGGATGCTCTGTATCCCAACGGGTTTACCCTTACCCAGCCAGAGCC  
CGCAGCCCCCGTGGACCCTCTCCAGCAGGCCTATGCAGGAATGCAGCACTACACAGCAGCGTACCCCGC  
AGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCCTGGTTGCCAGCAGCCCCACCACCA  
CCTCAGCAACAGCAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAACGGGAAGGCCCTGATGGCT  
GCAACATCTTCTACACCTGCCCCAGGAGTTCACAGACTCAGAGATCCTCCAGATGTTTGTCCCTTT  
TGGTCAATGTCATCTCAGCCAAAGTCTTTGTTGACCGGGCCACCAATCAGAGCAAATGTTTGGCTTTGTG  
AGTTTCGACAATCCGGCCAGTGCCCAGGCTGCCATCCAGGCTATGAACGGTTTCCAGATTGGCATGAAGC  
GCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCAACAGGCCCTACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



<b>ACCN:</b>	NM_001289616
<b>Insert Size:</b>	1170 bp
<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001289616.1</a></u> , <u><a href="#">NP_001276545.1</a></u>
<b>RefSeq Size:</b>	2534 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	78784
<b>UniProt ID:</b>	<u><a href="#">Q8CIN6</a></u>
<b>Cytogenetics:</b>	3 F2.1
<b>Gene Summary:</b>	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]