

Product datasheet for **MC217037**

Celf4 (NM_001146294) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Celf4 (NM_001146294) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Celf4
Synonyms:	A230070D14Rik; Brul4; BRUNOL-4; Brunol4; C130060B05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217037 representing NM_001146294
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCGAGCCTCAGTACCAACGGGCTAG
 GCAGCAGCCCGGCAGCGCCGGCATATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCC
 CATGAAGGACCACGATGCCATCAAGCTGTTCAATTGGGCAGATCCCCGAAACCTGGATGAGAAGGACCTC
 AAGCCCCTCTTCGAGGAGTTCGCAAGATCTACGAGCTTACGGTCTGAAGGACAGGTTACAGGCATGC
 ACAAAAGGTGCGCTTTCCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA
 GCAGAAGACCCTGCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGAT
 AGAAAACCTCTTCGTGGGTATGCTCAACAAGCAACAATCTGAGGACGACGTGCGCCGCTCTTCGAGGCC
 TCGGGAACATCGAGGAGTGCATATCCTGCGCGGGCCGGACGGCAACAGCAAGGGGTGCGCTTTGTGAA
 GTACTCCTCCCATGCCGAGGCACAAGCCGCCATCAACGCTCTACATGGCAGCCAGACCATGCCTGGAGCC
 TCCTCCAGCCTGGTGGTCAAGTTTGAGACACTGACAAGGAGCGACAATGCGACGGATGCAGCAGATGG
 CTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCCCTTCGGAGCCTATGGCGCCTATGCTCAGGCACT
 GATGCAGCAGCAAGCAGCCCTCATGGCATCGGTGCGCAAGGAGGCTACCTGAATCCCATGGCTGCCTTC
 GCTGCCGCCAAATGCAGCAGATGGCGGCCCTCAACATGAATGGCCTGGCAGCCGCACCTATGACCCCAA
 CCTCAGGTGGCAGCACCCCTCCAGGCATCACTGCACCAGCTGTGCTAGCATCCCATCCCCATTGGGGT
 GAACGGCTTACGGGCCCTCCCCCTCAGGCCAATGGGCAGCCTGCTGCGGAAGCTGTGTTGCCAATGGC
 ATTCACCCCTACCAGCACAGAGCCCCACCGCAGCCGACCCCTGCAGCAGGCCCTACGCTGGAGTGCAGC
 AGTATGCAGGACCAGCTGCCTACCTGCTGCCTATGGTCAGATTAGCCAGGCCCTTTCCTCAGCCACCGCC
 AATGATTCCCCAGCAACAGAGAGAAGGGCCGAGGGCTGTAACCTGCTCATCTACCATCTGCCCCAGGAG
 TTTGGGGACGCTGAGCTGATGCAGATGTTCCCTCCCTTCGGTAATGTCATCTCCTCGAAAGTGTGTTG
 ATCGGGGACTAACCAAAGTAAATGCTTTGGCTTCGTGAGCTTCGACAACCCGGCCAGCGCACAGACCGC
 CATCCAGGCCATGAACGGCTTCCAGATAGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAAGAC
 GCCAATCGCCGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001146294
Insert Size: 1488 bp
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001146294.1</u> , <u>NP_001139766.1</u>
RefSeq Size:	3980 bp
RefSeq ORF:	1488 bp
Locus ID:	108013
UniProt ID:	<u>Q7TSY6</u>
Cytogenetics:	18 A2
Gene Summary:	<p>RNA-binding protein implicated 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. Promotes exclusion of both the smooth muscle (SM) and non-muscle (NM) exons in actinin pre-mRNAs. 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]</p> <p>Transcript Variant: This variant (3) encodes isoform (29, also known as C).</p>