

Product datasheet for **MR229537**

Celf3 (NM_001289620) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Celf3 (NM_001289620) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Celf3
Synonyms: 4930415M08Rik; BRUNOL1; CAGH4; ERDA4; Tnrc4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229537 representing NM_001289620
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTCGAGGAGACCGGAAGCTCTTTGTGGCA
TGCTAGAAAAGCAGCAGACAGATGAGGATGTCCGGAAGATGTTTGAACCTTTGGGACTATAGACGAGTG
CACTGTGCTCCGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTGAAGTTCAGACTCAGCGTGAG
GCCAGGCAGCCATCAACACCCTTCACAGCAGCCGGACCTACCGGGTGCCTCATCCAGCCTGGTGGTAA
AGTTTGTGTGACACGGAGAAGGAGCGAGGTCTCCGTGCAATGCAGCAGGTGGCTACCCAGCTGGGCATGTT
CAGCCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTGATGCAGCAGCAGCGCGCC
CTGGTAGCAGCTCACAGTGCCTACCTCAGCCCTATGGCCACCATGGCTGCCGTGCAGATGCAGCAGATGG
CTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTCAGGAACCAGCACCCCTCCTGC
CATTGTGCCACGCCGTCTCTGCCATCCCTGCTGCCTTGGGCGTCAACGGCTACAGCCCGGTGCCACC
CAGCCTACAGGGCAGCCTGCCCGGATGCTCTGTATCCCAACGGGGTTCACCTTACCCAGATGAGGCTC
TGCTGTGAGAGAAGTGTGGCGGGTTCCCATATGTCCCAGGCCACTCATGGCTTGTGATGCTCTC
TGAGCCAGAGCCCGGAGCCCGTGGACCCTCTCCAGCAGGCTATGCAGGAATGCAGCACTACACA
GGCCCTGATGGCTGCAACATCTTCATCTACCACCTGCCCCAGGAGTTCACAGACTCAGAGATCCTCCAGA
TGTTTGTCCCTTTTGGTCATGTCTCAGCCAAAGTCTTTGTTGACCGGCCACCAATCAGAGCAAATG
TTTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTCCAGGCTGCCATCCAGGCTATGAACGGTTTCCAG
ATTGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCAAACAGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1110 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001289620.1 , NP_001276549.1
RefSeq Size:	2477 bp
RefSeq ORF:	1113 bp
Locus ID:	78784
UniProt ID:	Q8CIN6
Cytogenetics:	3 F2.1
MW:	40 kDa
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]