

Product datasheet for **MR223509**

Celf3 (NM_172434) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR223509 representing NM_172434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGAGCCAGATGCCATCAAGCTGTTTGTGGGCAGATCCCAGGCATCTGGAGAAAAGACCTGA
 AGCCCATCTTCGAGCAGTTTGGTCGGATCTTCAGCTGACTGTCATCAAGGACAAGTACACCGGGCTGCA
 CAAGGGATGTGCTTTCCTGACGTAAGTGTCTCGGATTACAGCCCTGAAGGCCAGAGTGCCTGCACGAA
 CAGAAGACTCTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTCGAGGAGACC
 GGAAGCTCTTTGTGGCATGCTAGGAAAGCAGCAGACAGATGAGGATGTCGGAAAGATGTTTGAACCATT
 TGGGACTATAGACGAGTGCCTGTCTCCGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTGAAG
 TTCAGACTCACGCTGAGGCCAGGCAGCCATCAACACCTTCACAGCAGCCGGACCCTACCGGGTGCCT
 CATCCAGCCTGGTGGTAAAGTTTGTGACACGGAGAAGGAGCGAGGTCTCCGTCGAATGCAGCAGGTGGC
 TACCCAGCTGGGCATGTTAGCCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTG
 ATGCAGCAGCAGGCGGCCCTGGTAGCAGCTCACAGTGCCTACCTAGCCCTATGGCCACCATGGCTGCCG
 TGCAGATGCAGCACATGGCTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTCAGG
 AACCCAGCACCCCTCCTGCCATTGCTGCCAGCCCGTCTCTGCCATCCCTGCTGCCTTGGGCGTCAACGGC
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 CTTACCCAGCCCAGAGCCCGGCAGCCCCCGTGGACCCTCTCCAGCAGGCCTATGCAGGAATGCAGCACTA
 CACAGCAGCGTACCCCGCAGCCTACAGCCTGGTTGCACCTGCGTTCGCCAGCCTCCAGCCCTGGTTGCC
 CAGCAGCCCCACCACCCTCAGCAACAGCAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAAC
 GGAAGGCCCTGATGGCTGCAACATCTTACATCTACCCTGCCCCAGGAGTTACAGACTCAGAGTCCCT
 CCAGATGTTTGTCCCTTTTGGTCATGTCATCTCAGCCAAAGTCTTTGTTGACCGGGCCACCAATCAGAGC
 AAATGTTTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTGCCAGGCTGCCATCCAGGCTATGAACGGTT
 TCCAGATTGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCAAACAGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223509 representing NM_172434
 Red=Cloning site Green=Tags(s)

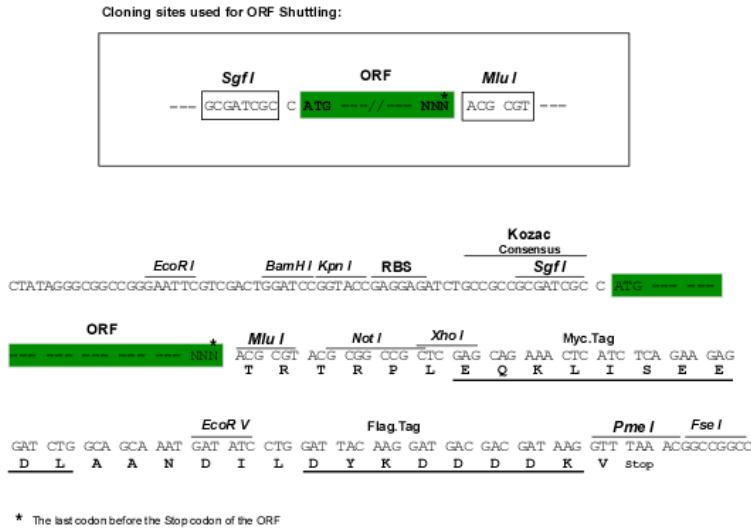
MKEPDAIKLFVQGIPRHLEEKDLKPIFEQFGRIFELTVIKDKYTGLHKGCAFLTYCARDSALKAQSALHE
 QKTLPGMNRPIQVKPADSESRGDRKLFVGMGLGKQQTDEDVVRKMFEPFGTIDECTVLRGPDGTSKGCFAVK
 FQTHAEAQAINTLHSSRTLPGASSLVVVFADTEKERGLRRMQQVATQLGMFSPIALQFGAYSAYTQAL
 MQQQAALVAHSAYLSPMATMAAVQMOMAAISANGLIATPITPSSGTSTPPAIAATPVSAIPAALGVNG
 YSPVPTQPTGQPAPDALYPNGVHPYPAQSPAAPVDPLQQAAYAGMQHYTAAYPAAYSLVAPAFPQPPALVA
 QPPPPPPQQQQQQQQQQQQQQQREGPDGNCNIFYHLPQEFDTSEILQMFVFPFGHVISAKVFVDRATNQS
 KCFGFVSFDNPASAQAIIQAMNGFQIGMKRLKVLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172434

ORF Size: 1395 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:
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_172434.4](#)

RefSeq Size: 2744 bp

RefSeq ORF: 1398 bp

Locus ID: 78784

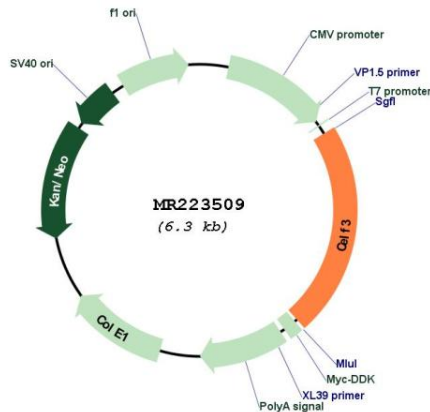
UniProt ID: [Q8CIN6](#)

Cytogenetics: 3 F2.1

MW: 51 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]

Product images:



Circular map for MR223509