

Product datasheet for MR229655

Celf3 (NM_001289616) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Celf3 (NM_001289616) 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: >MR229655 representing NM_001289616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTCGAGGAGACCGGAAGCTCTTTGTGGCA
 TGCTAGAAAAGCAGCAGACAGATGAGGATGTCCGGAAGATGTTTGAACATTTGGGACTATAGACGAGTG
 CACTGTGCTCCGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTGAAGTTCAGACTCACGCTGAG
 GCCCAGGCAGCCATCAACACCCTTCACAGCAGCCGGACCCTACCGGGTGCCTCATCCAGCCTGGTGGTAA
 AGTTTGCTGACACGGAGAAGGAGCGAGGTCTCCGTGCAATGCAGCAGGTGGCTACCCAGCTGGGCATGTT
 CAGCCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTGATGCAGCAGCAGGCGGCC
 CTGGTAGCAGCTCACAGTGCCTACCTCAGCCCTATGGCCACCATGGCTGCCGTGCAGATGCAGCACATGG
 CTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTCAGGAACCAGCACCCCTCCTGC
 CATTGCTGCCACGCCGTCTCTGCCATCCCTGCTGCCTTGGGCGTCAACGGCTACAGCCCGGTGCCACC
 CAGCCTACAGGGCAGCCTGCCCGGATGCTCTGTATCCCAACGGGTTCAACCTTACCCAGCCAGAGCC
 CGGCAGCCCCGTGGACCCTCTCCAGCAGGCCTATGCAGGAATGCAGCACTACACAGCAGCCTACCCCG
 AGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCCTGGTTGCCAGCAGCCCCACCACCA
 CCTCAGCAACAGCAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAACGGGAAGGCCCTGATGGCT
 GCAACATCTTCTACACCTGCCCGAGGTTACAGACTCAGAGATCCTCCAGATGTTTGTCCCTTT
 TGGTCAATGTCATCTCAGCAAAGTCTTTGTTGACCGGGCCACCAATCAGAGCAAATGTTTGGCTTTGTG
 AGTTTCGACAATCCGGCCAGTGCCCAGGCTGCCATCCAGGCTATGAACGGTTTCCAGATTGGCATGAAGC
 GCCTCAAAGTCCAGCTAAAGCGCCTAAGGATGCAACAGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229655 representing NM_001289616
Red=Cloning site Green=Tags(s)

MNRPIQVKPADSESRGDRKLFVGM LGKQQTDEDVRKMFEPFGTIDECTVLRGPDGTSKGCAFVKFQTHAE
 AQAAINTLHSSRTLPGASSLVVKFADTEKERGLRRMQQVATQLGMFSPIALQFGAYSAYTQALMQQQAA
 LVAHSAYLSPMATMAAVQMQHMAAISANGLIATPITPSSGTSTPPAIAATPVSAIPAALGVNGYSPVPT
 QPTGQPAPDALYPNGVHPYPAQSPAAPVDPLQQAYAGMQHYTAAYPAAAYSLVAPAFPPQPPALVAQQPPPP
 PQQQQQQQQQQQQQQREGPDGCNIFIYHLPQEFTDSEILQMFVPFGHVISAKVFDVDRATNQSCKCFGV
 SFDNPASAQAAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

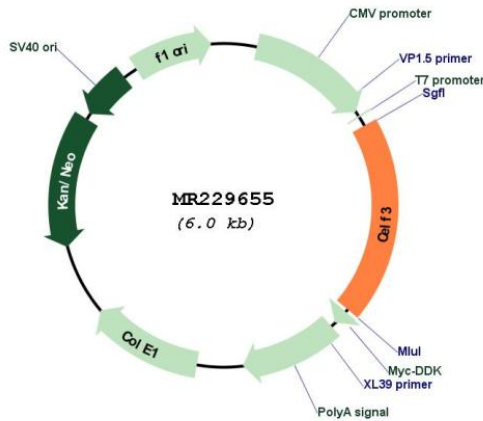
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289616

ORF Size:	1167 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_001289616.1 , NP_001276545.1
RefSeq Size:	2534 bp
RefSeq ORF:	1170 bp
Locus ID:	78784
UniProt ID:	Q8CIN6
Cytogenetics:	3 F2.1
MW:	42.3 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]