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Product datasheet for MC216182

Celf4 (NM_001174074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Celf4 (NM_001174074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Celf4
Synonyms:	A230070D14Rik; Brul4; BRUNOL-4; Brunol4; C130060B05Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC216182 representing NM_001174074
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCGAGCCTCAGTACCAACGGGCTAG
GCAGCAGCCCGGGCAGCGCCGGGCATATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCC
CATGAAGGACCACGATGCCATCAAGCTGTTCATTGGGCAGATCCCCCGAAACCTGGATGAGAAGGACCTC
AAGCCCCTCTTCGAGGAGTTCGGCAAGATCTACGAGCTTACGGTTCTGAAGGACAGGTTCACAGGCATGC
ACAAAGGCTGCGCTTTCCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCCAGAGCGCGCTGCACGA
GCAGAAGACCCTGCCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGT
AGTAGCTGCCTGCGCCAGCCCCCTTCACAAGATAGAAAACTCTTCGTGGGTATGCTCAACAAGCAACAAT
CTGAGGACGACGTGCGCCGCCTCTTCGAGGCCTTCGGGAACATCGAGGAGTGCACTATCCTGCGCGGGCC
GGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCCTCCCATGCCGAGGCACAAGCCGCCATCAAC
GCTCTACATGGCAGCCAGACCATGCCTGGAGCCTCCTCCAGCCTGGTGGTCAAGTTTGCAGACACTGACA
AGGAGCGCACAATGCGACGGATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCC
CTTCGGAGCCTATGGCGCCTATGCTCAGGCAATGCAGCAGCAAGCAGCCCTCATGGCATCGGTCGCGCAA
GGAGGCTACCTGAATCCCATGGCTGCCTTCGCTGCCGCCCAAATGCAGCAGATGGCGGCCCTCAACATGA
ATGGCCTGGCAGCCGCACCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCAGGCATCACTGCACCAGC
TGTGCCTAGCATCCCATCCCCCATTGGGGTGAACGGCTTCACGGGCCTCCCCCCTCAGGCCAATGGGCAG
CCTGCTGCGGAAGCTGTGTTTGCCAATGGCATTCACCCCTACCCAGCACAGAGCCCCACCGCAGCCGACC
CCCTGCAGCAGGCCTACGCTGGAGTGCAGCAGTATGCAGGACCTGCCTACCCTGCTGCCTATGGTCAGAT
TAGCCAGGCCTTTCCTCAGCCACCGCCAATGATTCCCCAGCAACAGAGAGAAGGCTTCGTGAGCTTCGAC
AACCCGGCCAGCGCACAGACCGCCATCCAGGCCATGAACGGCTTCCAGATAGGCATGAAGAGGCTCAAGG
TGCAGCTGAAGCGGCCCAAAGACGCCAATCGCCCGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001174074

Insert Size: 1371 bp

OTI Disclaimer: 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).

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_001174074.1, NP_001167545.1
RefSeq Size:	3863 bp
RefSeq ORF:	1371 bp
Locus ID:	108013
UniProt ID:	Q7TSY6
Cytogenetics:	18 A2
Gene Summary:	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] Transcript Variant: This variant (6) encodes isoform (51, also known as F). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.