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Product datasheet for RC230044

CELF3 (NM_001172648) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: CELF3

Synonyms: BRUNOL1; CAGH4; ERDA4; ETR-1; TNRC4

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC230044 representing NM_001172648
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATGTGCCTTCCTGACATACTGTGCCCGGGATTCAGCCCTGAAGGCCCAGAGCGCCCTGCACGAAC
AGAAGACGCTTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGCCGAGGAGAAGA
CCGGAAGCTCTTTGTGGGGATGCTAGGGAAGCAGCAGACAGATGAGGACGTCCGGAAGATGTTTGAGCCC
TTCGGGACCATCGACGAGTGCACTGTGCTCCGGGGGCCAGATGGCACCAGCAAAGGCTGCGCCTTCGTGA
AGTTCCAGACCCACGCTGAGGCCCAGGCGGCCATCAACACCCTTCACAGCAGCCGGACCCTGCCAGGTGC
CTCGTCCAGCCTGGTGGTGAAGTTTGCTGACACTGAGAAGGAGCGAGGTCTCCGCCGCATGCAGCAGGTG
GCCACCCAGTTGGGCATGTTCAGCCCCATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCC
TGATGCAGCAGCAGGCGGCCCTGGTAGCGGCTCACAGTGCCTACCTCAGCCCCATGGCCACCATGGCTGC
CGTGCAGATGCAGCACATGGCTGCCATCAATGCCAATGGCCTCATCGCCACCCCCATCACCCCATCCTCA
GGAACCAGCACCCCTCCTGCCATCGCTGCCACGCCTGTCTCTGCCATTCCGGCTGCCCTGGGCGTCAACG
GCTACAGCCCGGTGCCCACCCAGCCCACTGGGCAGCCTGCCCCTGATGCTCTGTATCCCAACGGGGTTCA
CCCCTACCCAGCCCAGAGCCCCGCGGCCCCCGTGGACCCCCTGCAGCAGGCCTACGCGGGGATGCAGCAC
TACACAGCAGCCTACCCAGCAGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCCTGGTCG
CCCAGCAGCCCCCACCACCACCTCAACAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAAAG
AGAAGGCCCTGATGGCTGCAACATCTTCATCTACCACCTGCCCCAGGAGTTCACTGACTCAGAGATCCTC
CAGATGTTTGTCCCCTTTGGCCACGTCATCTCAGCCAAAGTCTTTGTTGACCGAGCCACCAATCAAAGCA
AATGTTTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTGCCCAGGCTGCCATCCAGGCCATGAATGGCTT
CCAGATCGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCCAACCGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC230044 representing NM_001172648
Red=Cloning site Green=Tags(s)

MGCAFLTYCARDSALKAQSALHEQKTLPGMNRPIQVKPADSESRGEDRKLFVGMLGKQQTDEDVRKMFEP
FGTIDECTVLRGPDGTSKGCAFVKFQTHAEAQAAINTLHSSRTLPGASSSLVVKFADTEKERGLRRMQQV
ATQLGMFSPIALQFGAYSAYTQALMQQQAALVAAHSAYLSPMATMAAVQMQHMAAINANGLIATPITPSS
GTSTPPAIAATPVSAIPAALGVNGYSPVPTQPTGQPAPDALYPNGVHPYPAQSPAAPVDPLQQAYAGMQH
YTAAYPAAYSLVAPAFPQPPALVAQQPPPPPQQQQQQQQQQQQQQQREGPDGCNIFIYHLPQEFTDSEIL
QMFVPFGHVISAKVFVDRATNQSKCFGFVSFDNPASAQAAIQAMNGFQIGMKRLKVQLKRPKDANRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

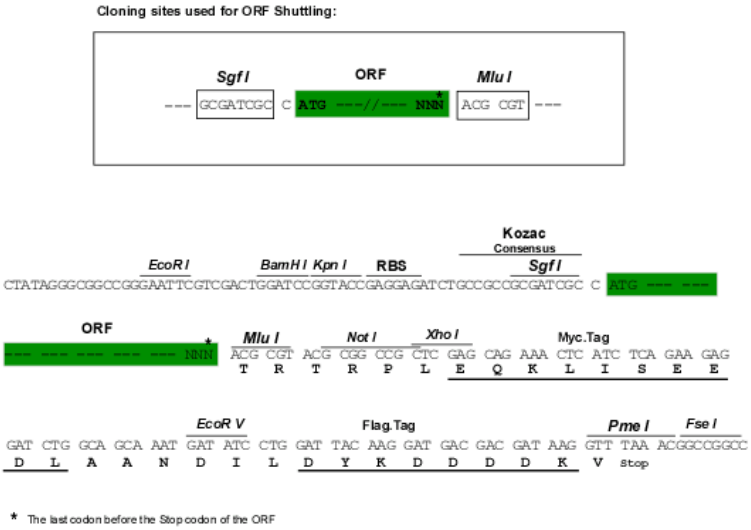
Chromatograms:

https://cdn.origene.com/chromatograms/mk8058_d08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001172648

ORF Size:

1254 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001172648.4

RefSeq ORF: 1257 bp

Locus ID: 11189

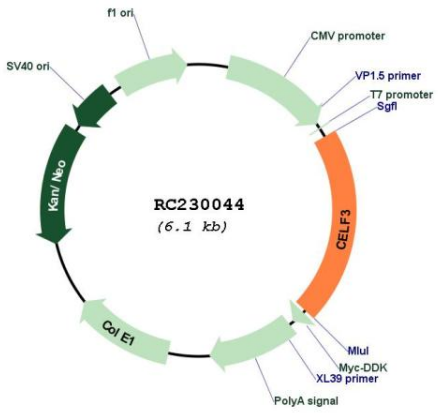
Cytogenetics: 1q21.3

Protein Families: Transcription Factors

MW: 45.4 kDa

Gene Summary: Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RC230044