

Product datasheet for **RC238390**

CELF3 (NM_001291107) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CELF3 (NM_001291107) Human Tagged ORF Clone
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)



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ORF Nucleotide Sequence:

>RC238390 representing NM_001291107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGAGCCGGATGCCATCAAGCTGTTTGTGGGCGAGATCCCAGGCATCTGGAGGAGAAGGACCTGA
 AGCCCATCTTCGAACAGTTTGGTCGGATCTTTGAGCTGACTGTCATCAAGGACAAGTACACCGGGCTGCA
 CAAGGGATGTGCCTTCCTGACATACTGTGCCGGGATTACGCCCTGAAGGCCAGAGCGCCTGCACGAA
 CAGAAGACGCTTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGCCGAGGAGACC
 GGAAGCTCTTTGTGGGATGCTAGGGAAGCAGCAGACAGATGAGGACGTCCGGAAGATGTTTGAGCCCTT
 CGGGACCATCGACGAGTGCATGTGCTCCGGGGCCAGATGGCACCAGCAAAGGCTGCGCCTTCGTGAAG
 TTCCAGACCCACGCTGAGGCCAGGCGGCCATCAACACCTTCACAGCAGCCGGACCCTGCCAGGTGCCT
 CGTCCAGCCTGGTGGTGAAGTTTGCTGACACTGAGAAGGAGCGAGGTCTCCGCCGATGCAGCAGGTGGC
 CACCCAGTTGGGATGTTAGCCCCATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCCCTG
 ATGCAGCAGCAGGCGGCCCTGGTAGCGGCTCACAGTGCCTACCTAGCCCCATGGCCACCATGGCTGCCG
 TGCAGATGCAGCACATGGCTGCCATCAATGCCAATGGCCTCATCGCCACCCCATCACCCATCCTCAGG
 AACCAGACCCCTCCTGCCATCGCTGCCACGCCTGTCTCTGCCATTCCGGCTGCCCTGGGCGTCAACGGC
 TACAGCCCGGTGCCACCCAGCCACTGGGCAGCCTGCCCTGATGCTCTGTATCCCAACGGGGTTACCC
 CCTACCCAGCCAGAGCCCCCGGCCCGCCCTGGACCCCTGCAGCAGGCCTACCGGGGATGCAGCACTA
 CACAGCAGCCTACCCAGCAGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGCCTCCAGCCCTGGTCGCC
 CAGCAGCCCCACCACCCTCAACAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAAGAG
 AAGGCCCTGATGGCTGCAACATCTTCACTACACCTGCCAGGAGTTCACTGACTCAGAGATCCTCCA
 GATGTTTGTCCCTTTGGCCACGTCATCTCAGCCAAAGTCTTTGTTGACCGAGCCACCAATCAAAGCAAA
 TGTGTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTGCCAGGCTGCCATCCAGGCCATGAATGGCTTCC
 AGATCGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCCAACCGGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238390 representing NM_001291107
 Red=Cloning site Green=Tags(s)

MKEPDAIKLFVGQIPRHLEEKDLKPIFEQFGRIFELTVIKDKYTGLHKGAFLTYCARDSALKAQSALHE
 QKTLPGMNRPIQVKPADSESRGDRKLFVGM LGKQQTDEDVRKMFEPFGTIDECTVLRGPDGTSKGCAFVK
 FQTHAEAAINTLHSSRTLPGASSLVVKFADTEKERGLRRMQQVATQLGMFSPIALQFGAYSAYTQAL
 MQQQAALVAHSAYLSPMATMAAVQM QHMAAINANGLIATPITPSSGSTPPAIAATPVSAIPAALGVNG
 YSPVPTQPTGQPAPDALYPNGVHPYPAQSPAAPVDPLQQAYAGMQHYTAAYPAAYSLVAPAFPQPPALVA
 QPPPPPPQQQQQQQQQQQQQREGPDGCNIFIYHLPQEFTDSEILQMFVPFGHVISAKVFVDRATNQSK
 CFGFVSFDNPASAAAIQAMNGFIQGMKRLKVQLKRPKDANRPY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001291107

ORF Size: 1392 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_001291107.2](#)

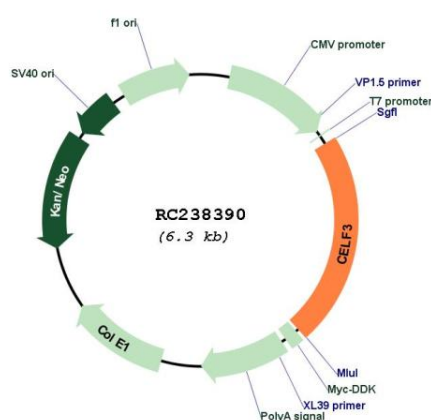
RefSeq Size: 5612 bp

RefSeq ORF: 1395 bp

Locus ID: 11189

UniProt ID:	<u>Q5SZQ8</u>
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
MW:	50.9 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 RC238390