

## Product datasheet for **RC216854**

### **CELF2 (NM\_001025076) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CELF2 (NM_001025076) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CELF2
Synonyms:	BRUNOL3; CELF-2; CUG-BP2; CUGBP2; ETR-3; ETR3; NAPOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC216854 representing NM\_001025076  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACGGAGCTTTGGATCACTCAGACCAACCAGACCCAGATGCCATTAAGATGTTTGTGCGACAGATCC  
 CCCGGTCATGGTCGAAAAGGAGCTGAAAGAACTTTTTGGAGCCTTACGGAGCCGCTACCCAGATCAACGT  
 CCTCCGGGACCGGAGTCAGAACCCTCCGCAGAGTAAAGGTTGTTGTTTCGTAACATTTTATAACAAGAAAA  
 GCTGCACTTGAGGCCAGAATGCACTGCACAATATTAACCTTTACCTGGGATGCATCATCCATTCCAGA  
 TGAACCTGCAGATAGTAAAAGTCCAACGCTGTGGAAGACAGAAAATTGTTTCATAGGAATGGTATCGAA  
 GAAATGTAATGAGAACGACATCAGGGTGTGTTCTCTCCATTTGGCCAGATAGAAGAATGCCGGATCCTC  
 CGGGGACCTGATGGGCTGAGTCGAGGCTGTGCGTTTGTACATTTTCTACAAGGGCAATGGCACAGAATG  
 CAATCAAAGCCATGCATCAGTCTCAGACCATGGAGGGCTGCTCTTACCTATCGTGGTGAAGTTTGTGTA  
 CACTCAGAAGGACAAAGAGCAAAGGCGCCTCCAGCAGCAGCTCGCTCAGCAGATGCAGCAGCTCAACACT  
 GCCACCTGGGGAACTGACAGGGCTGGGCGGACTGACCCACAGTATCTGGCGCTCCTGCAGCAGGCCA  
 CCTCTCCAGCAACCTGGGTGCGTTTCAGCGCATTCAACAATGGCAGGCATGAATGCTTTACAGTTGCA  
 GAACCTGGCGACGCTGGCTGCTGCTGCAGCTGCGGCCAGACCTCAGCCACCAGCACCAATGCAACCCCT  
 CTCTTACCACGAGCAGCGCCCTGGGAGCCCTCAGAGTCCCCTGGCTGCTTCAACCCCAACTCCACTG  
 CTGGTGCAGCCATGAACTCCTTGACCTCTCTCGGGACTCTGCAAGGACTGGCTGGAGCCACTGTTGGACT  
 GAATAATATTAATGCACTAGCAGTTGCTCAAATGCTCTCAGGTATGGCGGCTCTGAATGGAGGACTTGGC  
 GCCACAGGCTTGACGAATGGCACGGCTGGCACCATGGACGCCCTCACCCAGGCCACTCAGGAATTAAC  
 AGTACGCAGCCGCGCTGCCACTCTGTACAGCCAGAGCCTGCTGCAGCAGCAGAGCGCTGCAGGCAG  
 CCAGAAGGAAGGTCCAGAGGGGGCAAACCTCTTTATTTACCACCTTCCACAGGAATTTGGAGACCAGGAC  
 ATTCTGCAGATGTTTCATGCCCTTTTGAAATGTTATCTCTGCTAAAAGTCTTATTGACAAAACAGACCAATC  
 TGAGCAAGTGCTTTGGTTTTGTTAGCTACGACAATCCAGTCTCTGCACAAGCTGCTATCCAAGCTATGAA  
 TGGCTTTCAGATCGGCATGAAACGCTTGAAGGTGCAGCTGAAGCGTTCCAAAAACGACAGCAAACCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC216854 representing NM\_001025076  
 Red=Cloning site Green=Tags(s)

MNGALDHSQDPDPAIKMFVQIPRSWSEKELKELFEPYGAUVYQINVLDRSQNPPQSKGCCFVTFYTRK  
 AALEAQNALHNIKTLPGMHPIQMKPADSEKSNAVEDRKLFIGMVSKKCNENDIRVMFSPFGQIEECRIL  
 RGPDGLSRGCAFVTFSTRAMAQNAIKAMHQSQTMEGSSPIVVKFADTQKDKEQRRLLQQQLAQMQQLNT  
 ATWGNLTGLGGLTPQYLALLQQATSSNLGAFSGIQMAGMNALQLQNLATLAAAAAAQTSATSTNANP  
 LSTSSALGALTSPVAASTPNSTAGAAMNSLTSGLTQGLAGATVGLNNINALAVAQMLSGMAALNGGLG  
 ATGLTNGTAGTMDALTQAYSQIQYAAAALPTLYSLLQQQSAAGSQKEGPEGANLFYHLPQEFQDQD  
 ILQMFMPFGNVISAKVFIKQTNLSKCFGVSYDNPVSAQAAIQAMNGFQIGMKRLKVLKRSKNDKSKPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8063\\_a08.zip](https://cdn.origene.com/chromatograms/mk8063_a08.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001025076

**ORF Size:** 1470 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\\_001025076.2](#)

**RefSeq Size:** 7996 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 10659

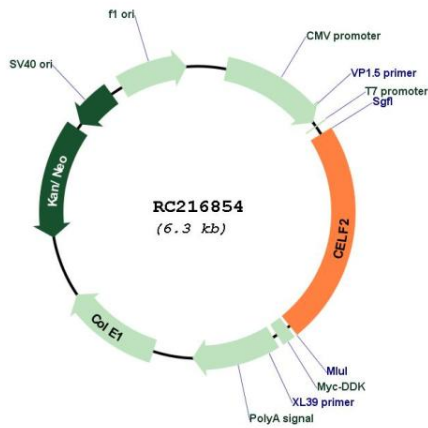
UniProt ID: [O95319](#)

Cytogenetics: 10p14

MW: 52.1 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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC216854