

## Product datasheet for **RG222915**

### **CELF2 (NM\_001025077) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CELF2 (NM_001025077) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CELF2
Synonyms:	BRUNOL3; CELF-2; CUG-BP2; CUGBP2; ETR-3; ETR3; NAPOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG222915 representing NM\_001025077  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGCTGTCCAAATCCGCTGTTACTATGAGAAATGAAGAGCTGCTTTTAAAGTAACGGCACAGCCAACA  
 AGATGAACGGAGCTTTGGATCACTCAGACCAACCAGCCAGATGCCATTAAGATGTTTGTGGACAGAT  
 CCCCCGGTCATGGTCGGAAGGAGCTGAAAGAACTTTTTGAGCCTTACGGAGCCGTCTACCAGATCAAC  
 GTCCTCCGGGACCGGAGTCAGAACCTCCGCAGAGTAAAGGTTGTTGTTTCGTAACATTTTATAAAGAA  
 AAGCTGCACTTGAGGCCAGAAATGCACTGCACAATATTAATACTTTACCTGGGATGCATCATCCCATTCA  
 GATGAAACCTGCAGATAGTGAAGTCCAACGCTGTGGAAGACAGAAAATGTTTCATAGGAATGGTATCG  
 AAGAAATGTAATGAGAACGACATCAGGGTATGTTCTCTCCATTTGGCCAGATAGAAGAATGCCGGATCC  
 TCCGGGACCTGATGGGCTGAGTCGAGGCTGTGCGTTTGTACATTTTCTACAAGGCAATGGCACAGAA  
 TGCAATCAAAGCCATGCATCAGTCTCAGACCATGGAGGGCTGCTCTTACCTATCGTGGTGAAGTTTGT  
 GACACTCAGAAGGACAAAGAGCAAAGGCCCTCCAGCAGAGCTCGCTCAGCAGATGCAGCAGCTCAACA  
 CTGCCACCTGGGGAACTGACAGGGCTGGGCGGACTGACCCACAGTATCTGGCGCTCCTGCAGCAGGC  
 CACCTCCTCCAGCAACCTGGGTGCGTTCAGCGCATTCAACAAATGGCAGGCATGAATGCTTTACAGTTG  
 CAGAACCTGGCGACGCTGGCTGCTGCTGCAGCTGCGGCCAGACCTCAGCCACCAGCACCATGCAAACC  
 CTCTCTTACCACGAGCAGCGCCCTGGGAGCCCTCACGAGTCCCGTGGCTGCTTCAACCCCCAACCTCCAC  
 TGCTGGTGAGCCATGAATCCTTGACCTCTCTCGGGACTCTGCAAGGACTGGCTGGAGCCACTGTTGGA  
 CTGAATAATATTAATGCACTAGCAGGTATGGCGGCTCTGAATGGAGGACTTGGCGCCACAGGCTTGACGA  
 ATGGCACGGCTGGCACCATGGACGCCCTCACCCAGGCCACTCAGGAATCAACAGTACGCAGCCGCGCC  
 GCTGCCACTCTGTACAGCCAGAGCCTGCTGCAGCAGCAGAGCGCTGCAGGCAGCCAGAAGGAAGTCCA  
 GAGGGGGCAAACCTCTTTATTTACCACCTTCCACAGGAATTTGGAGACCAGGACATTCTGCAGATGTTCA  
 TGCCTTTTGAAAATGTTATCTCTGCTAAAGTCTTCATTGACAAACAGACCAATCTGAGCAAGTGCTTTGG  
 TTTTGTTAGTACGACAATCCAGTCTCTGCACAAGCTGCTATCCAAGCTATGAATGGCTTTCAGATCGGC  
 ATGAAACGCTTGAAGGTGCAGCTGAAGCGTTCAAAAACGACAGCAAACCTTAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG222915 representing NM\_001025077  
 Red=Cloning site Green=Tags(s)

MRCPKSAVTMRNEELLLSNGTANKMNGALDHSQDPDPAIKMFGVQIPRSWSEKELKELFEPYGVAVYQIN  
 VLRDRSQNPPQSKGCCFVTFYTRKAALAEQNALHNIKTLPGMHPIQMKPADSEKSNAVEDRKLFIGMVS  
 KKCENDIRVMFSPFGQIEECRILRGPDL SRGCAFVTFSTRAMAQNAIKAMHQSTMEGCSSPIVVKFA  
 DTQKDKEQRRLLQQLAQMQQLNTATWGNLTGLGGLTPQYLALLQQATSSNLGAFSGIQQMAGMNALQL  
 QNLATLAAAAAAQTSATSTNANPLSTSSALGALTSPVAASTPNSTAGAAMNSLTSGLTLQGLAGATVG  
 LNNINALAGMAALNGGLGATGLTNGTAGTMDALTQAYSGIQQYAAAALPTLYSLSLLQQQSAAGSQKEGP  
 EGANLFIYHLPQEFGDQDILQMFMPFVNI SAKVFIDKQTNLSKCFGFVSYDNPVSAQAAIQAMNGFQIG  
 MKRLKVQLKRSKNDSKPY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001025077

**ORF Size:** 1524 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.

**RefSeq:** [NM\\_001025077.3](#)

**RefSeq Size:** 9227 bp

**RefSeq ORF:** 1527 bp

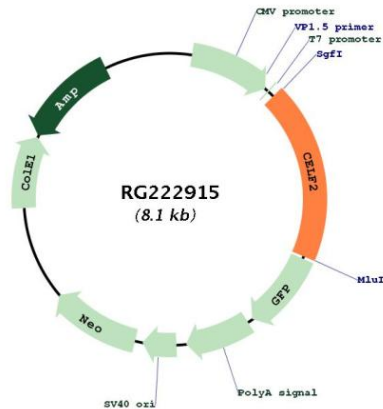
**Locus ID:** 10659

**UniProt ID:** [O95319](#)

**Cytogenetics:** 10p14

**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 RG222915