

Product datasheet for **RG222724**

CELF2 (NM_001083591) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CELF2 (NM_001083591) 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:

>RG222724 representing NM_001083591
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGAGCTTTGGATCACTCAGACCAACCAGACCCAGATGCCATTAAGATGTTTGTGCGACAGATCC
 CCCGGTCATGGTCGAAAAGGAGCTGAAAGAACTTTTTGGAGCCTTACGGAGCCGCTACCCAGATCAACGT
 CCTCCGGGACCGGAGTCAGAACCCTCCGCAGAGTAAAGGTTGTTGTTTCGTAACATTTTATAACAAGAAAA
 GCTGCACTTGAGGCCAGAATGCACTGCACAATATTAACCTTTACCTGGGATGCATCATCCATTCCAGA
 TGAACCTGCAGATAGTAAAAGTCCAACGCTGTGGAAGACAGAAAATTGTTTCATAGGAATGGTATCGAA
 GAAATGTAATGAGAACGACATCAGGGTATGTTCTCTCCATTTGGCCAGATAGAAGAATGCCGGATCCTC
 CGGGGACCTGATGGGCTGAGTCGAGGCTGTGCGTTTGTACATTTTCTACAAGGGCAATGGCACAGAATG
 CAATCAAAGCCATGCATCAGTCTCAGACCATGGAGGGCTGCTCTTACCTATCGTGGTGAAGTTTGTCTGA
 CACTCAGAAGGACAAAGAGCAAAGGCGCCTCCAGCAGCAGCTCGCTCAGCAGATGCAGCAGCTCAACACT
 GCCACCTGGGGAACTGACAGGGCTGGGCGGACTGACCCACAGTATCTGGCGCTCCTGCAGCAGGCCA
 CCTCTCCAGCAACCTGGGTGCGTTTCAGCGCATTCAACAAATGGCAGGCATGAATGCTTTACAGTTGCA
 GAACCTGGCGACGCTGGCTGCTGCTGCAGCTGCGGCCAGACCTCAGCCACCAGCACCAATGCAAAACCT
 CTCTCTACCACGAGCAGCGCCCTGGGAGCCCTCACGAGTCCCCTGGTGTCTTCAACCCCAACTCCACTG
 CTGGTGCAGCCATGAACTCCTTGACCTCTCTCGGGACTCTGCAAGGACTGGCTGGAGCCACTGTTGGACT
 GAATAATATTAATGCACTAGCAGGTACCATCAACAGTATGGCGGCTCTGAATGGAGGACTTGGCGCCACA
 GGCTTGACGAATGGCAGCGCTGGCACCATGGACGCCCTCACCCAGGCCTACTCAGGAATTAACAGTACG
 CAGCCCGCGCTGCCACTCTGTACAGCCAGAGCCTGCTGCAGCAGCAGAGCGCTGCAGGCAGCCAGAA
 GGAAGGTCAGAGGGGGCAAACCTCTTTATTTACCACCTTCCACAGGAATTTGGAGACCAGGACATTCTG
 CAGATGTTTCATGCCTTTTGGAAATGTTATCTCTGCTAAAGTCTTTCATTGACAAACAGACCAATCTGAGCA
 AGTGCTTTGGTTTGTAGCTACGACAATCCAGTCTCTGCACAAGCTGCTATCCAAGCTATGAATGGCTT
 TCAGATCGGCATGAAACGCTTGAAGGTGCAGCTGAAGCGTTCCAAAAACGACAGCAAACCTTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222724 representing NM_001083591
 Red=Cloning site Green=Tags(s)

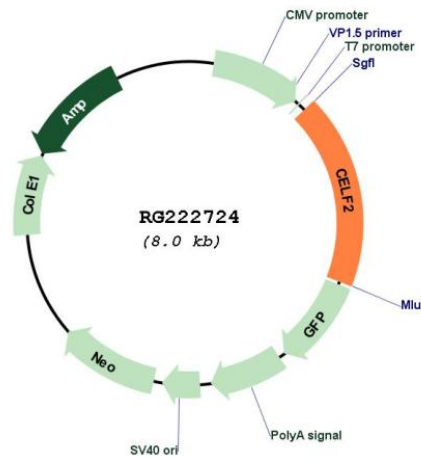
MNGALDHSQDPDPDAIKMFVQIIPRSWSEKELKELFEPYGAVYQINVLRDRSQNPPQSKGCCFVTFYTRK
 AALEAQNALHNIKTLPGMHPIQMKPADSEKSNAVEDRKLFIGMVSKKCNENDIRVMFSPFGQIEECRIL
 RGPDGLSRGCAFVTFSTRAMAQNAIKAMHQSQTMEGCSSPIVVKFADTQKDKERRLQQQLAQMQQLNT
 ATWGNLTGLGGLTPQYLALLQATSSSNLGAFTSGLQGMAGMNALQLQNLATLAAAAAAQTSATSTNANP
 LSTTSSALGALTSVVAASTPNSTAGAAMNSLTSGLTQGLAGATVGLNNINALAGTINSMAALNGGLGAT
 GLTNGTAGTMDALTQAYSQIQYAAAAALPTLYSQLLQQQSAAGSQKEGPEGANLFIYHLPQEFQDQDIL
 QMFMPFGNVISAKVFIKQTNLSKCFGFVSYDNPVSAQAAIQAMNGFQIGMKRLKVLKRSKNDKSKPY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001083591

ORF Size: 1464 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_001083591.1](#), [NP_001077060.1](#)

RefSeq Size: 8053 bp

RefSeq ORF: 1467 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]