

Product datasheet for **RG216854**

CELF2 (NM_001025076) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CELF2 (NM_001025076) 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:

>RG216854 representing NM_001025076
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGGAGCTTTGGATCACTCAGACCAACCAGACCCAGATGCCATTAAGATGTTTGTGCGACAGATCC
 CCCGGTCATGGTCGAAAAGGAGCTGAAAGAACTTTTGAGCCTTACGGAGCCGCTACCCAGATCAACGT
 CCTCCGGGACCGGAGTCAGAACCCTCCGCAGAGTAAAGGTTGTTGTTTCGTAACATTTTATAACAAGAAAA
 GCTGCACTTGAGGCCAGAATGCACTGCACAATATTAACCTTTACCTGGGATGCATCATCCATTCCAGA
 TGAACCTGCAGATAGTAAAAGTCCAACGCTGTGGAAGACAGAAAATTGTTTCATAGGAATGGTATCGAA
 GAAATGTAATGAGAACGACATCAGGGTATGTTCTCTCCATTTGGCCAGATAGAAGAATGCCGGATCCTC
 CGGGGACCTGATGGGCTGAGTCGAGGCTGTGCGTTTGTACATTTTCTACAAGGGCAATGGCACAGAATG
 CAATCAAAGCCATGCATCAGTCTCAGACCATGGAGGGCTGCTCTTACCTATCGTGGTGAAGTTTGTCTGA
 CACTCAGAAGGACAAAGAGCAAAGGCGCCTCCAGCAGCAGCTCGCTCAGCAGATGCAGCAGCTCAACACT
 GCCACCTGGGGGAACCTGACAGGGCTGGGCGGACTGACCCACAGTATCTGGCGCTCTGCAGCAGGCCA
 CCTCTCCAGCAACCTGGGTGCGTTTCAGCGCATTCAACAAATGGCAGGCATGAATGCTTTACAGTTGCA
 GAACCTGGCGACGCTGGCTGCTGCTGCAGCTGCGGCCAGACCTCAGCCACCAGCACCAATGCAAAACCT
 CTCTCTACCACGAGCAGCGCCCTGGGAGCCCTCACGAGTCCCCTGGTGTCTTCAACCCCAACTCCACTG
 CTGGTGCAGCCATGAACTCCTTGACCTCTCTCGGGACTCTGCAAGGACTGGCTGGAGCCACTGTTGGACT
 GAATAATATTAATGCACTAGCAGTTGCTCAAATGCTCTCAGGTATGGCGGCTCTGAATGGAGGACTTGGC
 GCCACAGGCTTGACGAATGGCACGGCTGGCACCATGGACGCCCTCACCCAGGCCTACTCAGGAATCAAC
 AGTACGCAGCCGCGCGCTGCCACTCTGTACAGCCAGAGCCTGCTGCAGCAGCAGAGCGCTGCAGGCAG
 CCAGAAGGAAGGTCCAGAGGGGGCAAACCTCTTTATTTACCACCTTCCACAGGAATTTGGAGACCAGAC
 ATTCTGCAGATGTTTCATGCCTTTTGAAATGTTATCTCTGCTAAAAGTCTTATTGACAAAACAGACCAATC
 TGAGCAAGTGCTTTGGTTTTGTTAGCTACGACAATCCAGTCTCTGCACAAGCTGCTATCCAAGCTATGAA
 TGGCTTTCAGATCGGCATGAAACGCTTGAAGGTGCAGCTGAAGCGTTCCAAAAACGACAGCAAACCTTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216854 representing NM_001025076
 Red=Cloning site Green=Tags(s)

MNGALDHSQDPDPDAIKMFVQIPRSWSEKELKELFEPYGAUVYQINVLDRSQNPPQSKGCCFVTFYTRK
 AALEAQNALHNIKTLPGMHPIQMKPADSEKSNAVEDRKLFIGMVSKKCNENDIRVMFSPFGQIEECRIL
 RGPDGLSRGCAFVTFSTRAMAQNAIKAMHQSQTMEGCSSPIVVKFADTQKDKERRLQQQLAQMQQLNT
 ATWGNLTGLGGLTPQYLALLQATSSSNLGAFTSGLQGMAGMNALQLQNLATLAAAAAAQTSATSTNANP
 LSTTSSALGALTSVAASTPNSTAGAAMNSLTSGLTQGLAGATVGLNNINALAVAQMLSGMAALNGGLG
 ATGLTNGTAGTMDALTQAYSIGIQQYAAAAALPTLYSQLLQQQSAAGSQKEGPEGANLFIYHLPQEFQDQD
 ILQMFMPFGNVISAKVFIKQTNLSKCFGFVSYDNPVSAQAAIQAMNGFQIGMKRLKVKLKRKNSKPY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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_001025076.2](#)

RefSeq Size: 7996 bp

RefSeq ORF: 1473 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]