

## Product datasheet for **RG224548**

### **CELF2 (NM\_006561) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CELF2 (NM_006561) 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:**

>RG224548 representing NM\_006561  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTTCTGCCTTCAAGCTGGATTTCCTCCCGGACATGATGGTCGAGGGCCGCTGCTCGTTCCCTGACA  
 GAATTAACGGCACAGCCAACAAGATGAACGGAGCTTTGGATCACTCAGACCAACCAGACCCAGATGCCAT  
 TAAGATGTTTGTGCGACAGATCCCCCGGTGATGGTCGGAAGGAGCTGAAAGAAGCTTTTGGAGCCTTAC  
 GGAGCCGTCTACCAGATCAACGTCCTCCGGGACCGGAGTCAGAACCCTCCGCAGAGTAAAGGTTGTTGTT  
 TCGTAACATTTTATAACAAGAAAAGCTGCCTTGGAGCCAGAAATGCACTGCACAAATATAAACTTTACC  
 TGGGATGCATCATCCATTAGATGAAACCTGCAGATAGTAAAAGTCCAACGCTGTGGAAGACAGAAAA  
 TTGTTTCATAGGAATGGTATCGAAGAAATGTAATGAGAACGACATCAGGGTATGTTCTCTCCATTTGGCC  
 AGATAGAAGAATGCCGGATCCTCCGGGGACCTGATGGGCTGAGTCGAGGCTGTGCGTTTGCACATTTTC  
 TACAAGGGCAATGGCACAGAATGCAATCAAAGCCATGCATCAGTCTCAGACCATGGAGGGCTGCTCTTCA  
 CCTATCGTGGTGAAGTTTGTGCACTCAGAAGGACAAAGAGCAAAGGCGCTCCAGCAGAGCTCGCTC  
 AGCAGATGCAGCAGCTCAACACTGCCACCTGGGGGAACCTGCAGGGCTGGGCGGACTGACCCACAGTA  
 TCTGGCGCTCCTGCAGCAGGCCACCTCCTCCAGCAACCTGGGTGCGTTTACGCGGCAATCAACAAATGGCA  
 GGCATGAATGCTTTACAGTTGCAGAACCTGGCGAGCTGGCTGCTGCTGCAGCTGCGGCCAGACCTCAG  
 CCACCAGACCAATGCAAAACCTCTCTACCACGAGCAGCGCCCTGGGAGCCCTCACGAGTCCCGTGGC  
 TGCTTCAACCCCACTCACTGCTGGTGCAGCCATGAACTCCTGACCTCTCTCGGGACTCTGCAAGGA  
 CCGGCTGAGCCACTGTTGGACTGAATAATATTAATGCACTAGCAGTTGCTCAAATGCTCTCAGGTATGG  
 CGGCTTGAATGGAGACTTGGCGCCACAGGCTTGACGAATGGCAGGCTGGCACCATGGCAGCCCTCAC  
 CCAGGCCTACTCAGGAATCAACAGTACGACGCGCCGCTGCCACTCTGTACAGCCAGAGCCTGCTG  
 CAGCAGCAGAGCCTGCAGGCAGCCAGAAGGAAGTCCAGAGGGGCAAACTCTTTATTTACCACCTTC  
 CACAGGAATTTGGAGACCAGGACATTCTGCAGATGTTTCATGCCTTTTGGAAATGTTATCTCTGCTAAAGT  
 CTTTATTGACAAACAGACCAATCTGAGCAAGTCTTTGGTTTTGTTAGCTACGACAATCCAGTCTCTGCA  
 CAAGCTGCTATCCAAGCTATGAATGGCTTTCAGATCGGCATGAAACGCTTGAAGTGCAGCTGAAGCGTT  
 CCAAAAACGACAGCAAACCTTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG224548 representing NM\_006561  
 Red=Cloning site Green=Tags(s)

MTSAFKLDFLPDMMVEGRLLVPDRINGTANKMNGALDHSQDPDPAIKMFVQIPRSWSEKELKELFEPY  
 GAVYQINVLDRSQNPPQSKGCCFVTFYTRKAALAEQNALHNIKTLPGMHPIQMKPADSEKSNAVEDRK  
 LFIGMVSKKCNENDIRVMFSPFGQIEECRILRPGDGLSRGCAFVTFSTRAMAQNAIKAMHQSQTMCGSS  
 PIVVKFADTQKDKQRRLLQQQLAQMQQLNTATWGNLTGLGGLTPQYLALLQQATSSSNLGAFTSGIQQMA  
 GMNALQLQNLATLAAAAAAQTSATSTNANPLSTSSALGALTSVAASTPNSTAGAAMNSLTSGLTQGL  
 LAGATVGLNNINALAVAQMLSGMAALNGGLGATGLTNGTAGTMDALTQAYSQIQYAAAAALPTLYSQSL  
 LQQSAAGSQKEGPEGANLFIYHLPQEFQDQDILQMFMPFGNIVISAKVFIKQTNLSKCFGFVSYDNPVSA  
 QAAIQAMNGFQIGMKRLKVLKRSKNDKPY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_006561
<b>ORF Size:</b>	1563 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006561.3</a> , <a href="#">NP_006552.3</a>
<b>RefSeq Size:</b>	8005 bp
<b>RefSeq ORF:</b>	1566 bp
<b>Locus ID:</b>	10659
<b>UniProt ID:</b>	<a href="#">O95319</a>
<b>Cytogenetics:</b>	10p14
<b>Domains:</b>	RRM
<b>Gene Summary:</b>	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]