

## Product datasheet for **RG225736**

### **BRUNOL4 (CELF4) (NM\_001025089) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (NM_001025089) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CELF4
Synonyms:	BRUNOL4; CELF-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225736 representing NM\_001025089  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCG  
 GCAGCAGCCCGGCAGTCCCGGCACATGAACGGATTAAGCCACAGCCCGGGAAACCGTCGACCATTCC  
 CATGAAGGACCACGATGCCATCAAGCTGTTCAATTGGGAGATCCCCGCAACCTGGATGAGAAGGACCTC  
 AAGCCCCTCTTCGAGGAGTTTGGCAAAATCTACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGC  
 ACAAAGGCTGCGCCTTCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA  
 GCAGAAGACTCTGCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGAA  
 GATAGAAAATCTTCGTGGGCATGCTCAACAAGCAACAGTCCGAGGACGACGTGCGCCGCTTTTCGAGG  
 CCTTTGGGAACATCGAGGAGTGCACCATCTGCGCGGGCCCGACGGCAACAGCAAGGGGTGCGCCTTTGT  
 GAAGTACTCTCCACGCGAGGCGCAGGCCCATCAACGCGCTACACGGCAGCCAGACCATGCCGGGA  
 GCCTCGTCCAGTCTGGTGGTCAAGTTCGCCGACACCGACAAGGAGCGCACGATGCCGCGAATGCAGCAGA  
 TGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCCTTTTCGGGGCTACGGCGCCTACGCTCAGGC  
 ACTGATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCGCAGGGCGGCTACCTGAACCCCATGGCTGCC  
 TTCGCTGCCGCCAGATGCAGCAGATGGCGGCCCTCAACATGAATGGCCTGGCGGCCGACCATGACCC  
 CAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACCAGCCGTGCCTAGCATCCCATCCCCATTGG  
 GGTGAATGGCTTACCGGCCCTCCCCACAGGCCAATGGGCAACCTGTCGCGAAGCTGTGTTCCGCAAT  
 GGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCGGACCCCTGCAGCAGGCTACGCCGAGTGC  
 AGCAGTATGCAGGTCCAGCTGCCTACCCTGCTGCCTATGGTCAGATAAGCCAGGCCCTTCTCAGCCGCC  
 TCCAATGATCCCCAGCAGCAGAGAGAAGGCTTGGTGGCTTCGACAACCCGCGCCAGCGCGCAGACCGCC  
 ATCCAGGCCATGAACGGCTTCCAGATCGGCATGAAGAGGCTCAAGGTGCAGCTGAAGCGCCCAAAGACG  
 CCAATCGCCCGTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG225736 representing NM\_001025089  
 Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLGSSPGSAGHMNGLSHSPGNPSTIPMKDHDAIKLFIGQIPRNLDKDL  
 KPLFEFEGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESERGE  
 DRKLFVGM LNKQQSEDDVRRLEAFGNIEECTILRGPDGNSKGCFAVKYSSHAEQAALINALHGSQTMPG  
 ASSSLVVKFADTDKERTMRRMQMAGQMGMFNPMIIPFGAYGAYAQALMQQQAALMASVAQGGYLNPMAA  
 FAAAQMQQMAALNMNGLAAAPMTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANGQPAEAVFAN  
 GIHPYPAQSPTAADPLQQAAYAGVQYAGPAAYPAAYGQISQAFPPPPMIPQQQREGFVSFDNPASAQTA  
 IQAMNGFQIGMKRLKVLKRPKDANRPY

**TR**TRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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_001025089.2</a>
<b>RefSeq Size:</b>	3956 bp
<b>RefSeq ORF:</b>	1347 bp
<b>Locus ID:</b>	56853
<b>UniProt ID:</b>	<a href="#">Q9BZC1</a>
<b>Cytogenetics:</b>	18q12.2
<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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]