

## Product datasheet for **RG225831**

### **BRUNOL4 (CELF4) (NM\_001025087) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRUNOL4 (CELF4) (NM_001025087) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRUNOL4
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:**

>RG225831 representing NM\_001025087  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTATATAAAGATGGCCACGTTAGCAAACGGACAGGCTGACAACGCAAGCCTCAGTACCAACGGGCTCG  
 GCAGCAGCCCGGCAGTCCCGGCACATGAACGGATTAAGCCACAGCCCGGGGAACCCGTCGACCATTCC  
 CATGAAGGACCACGATGCCATCAAGCTGTTCAATTGGGCAGATCCCCCGCAACCTGGATGAGAAGGACCTC  
 AAGCCCTCTTCGAGGAGTTTGGCAAACTACGAGCTTACGGTTCTGAAGGACAGGTTACAGGCATGC  
 ACAAAGGCTGCGCCTTCTCACCTACTGCGAGCGTGAGTCAGCGCTGAAGGCCAGAGCGCGCTGCACGA  
 GCAGAAGACTCTGCCGGGATGAACCGGCCGATCCAGGTGAAGCCTGCGGACAGCGAGAGCCGAGGAGGT  
 AGTAGCTGCCTGCGCCAGCCCCCTTACAAGATAGAAACTCTTCGTGGGCATGCTCAACAAGCAACAGT  
 CCGAGGACGACGTGCGCCGCTTTTCGAGGCCTTTGGAAACATCGAGGAGTGACCATCTCGCCGGGCC  
 CGACGGCAACAGCAAGGGGTGCGCCTTTGTGAAGTACTCTCCACGCCGAGGCGCAGGCCGCCATCAAC  
 GCGCTACACGGCAGCCAGACCATGCCGGAGCCTCGTCCAGTCTGGTGGTCAAGTTGCGCCAGACCCGACA  
 AGGAGCGCACGATGCGGCGAATGCAGCAGATGGCTGGCCAGATGGGCATGTTCAACCCCATGGCCATCCC  
 TTTGCGGGCTACGGCGCTACGCTCAGGCAATGCAGCAGCAAGCGGCCCTGATGGCATCAGTCGCGCAG  
 GGCGGCTACCTGAACCCCATGGCTGCCTTCGCTGCCGCCAGATGCAGCAGATGGCGGCCCTCAACATGA  
 ATGGCCTGGCGGCCGACCTATGACCCCAACCTCAGGTGGCAGCACCCCTCCGGGCATCACTGCACCAGC  
 CGTGCCTAGCATCCCATCCCCATTGGGGTGAATGGCTTACCGGCCCTCCCCACAGGCCAATGGGCAA  
 CCTGCTGCGGAAGCTGTGTTGCGCAATGGCATCCACCCCTACCCAGCACAGAGCCCCACCGCCGCGGACC  
 CCCTGACGACGGCCTACGCCGGAGTGCAGCAGTATGCAGGTCCAGCTCCCTACCTGCTGCTATCGGCA  
 GATAAGCCAGGCCTTTCCTCAGCCGCTCCAATGATCCCCAGCAGCAGAGAGAAGGGCCCGAGGGCTGT  
 AACCTGTTCACTACCATCTGCCCCAGGAGTTTGGGGACGCTGAGCTGATGCAGATGTTCTCCCTTTCG  
 GCTTCGTGAGCTTCGACAACCCGGCCAGCGCGCAGACCGCCATCCAGGCCATGAACGGCTTCCAGATCGG  
 CATGAAGAGGCTCAAGGTGCAGCTGAAGCGGCCCAAGACGCCAATCGCCCGTAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225831 representing NM\_001025087  
 Red=Cloning site Green=Tags(s)

MYIKMATLANGQADNASLSTNGLGSSPGSAGHMNGLSHSPGNPSTIPMKDHDAIKLFIGQIPRNLDEKDL  
 KPLFEFEGKIYELTVLKDRFTGMHKGCAFLTYCERESALKAQSALHEQKTLPGMNRPIQVKPADSESRGG  
 SSCLRQPPSQDRKLFVGMNKKQSEDDVRRLEAFGNIEECTILRGPDGNSKGCFAVKYSSHAEAQAAIN  
 ALHGSQTMFGASSLVVKFADTDKERTMRRMQMAGQMGMFNPMIIPFGAYGAYAQAMQQQAALMASVAQ  
 GGYLNPMMAFAAAQMQMAALNMNGLAAAPMPTPTSGGSTPPGITAPAVPSIPSPIGVNGFTGLPPQANGQ  
 PAAEAVFANGIHPYPAQSPTAADPLQAYAGVQYAGPAAYPAAYGQISQAFPQPPMIPQQQREGPEGC  
 NLFYIHLPEFGDAELMQMFLPFVGFVFDNPASAQTAIQAMNGFQIGMKRLKVQLKRPKDANRPY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001025087

**ORF Size:** 1455 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\\_001025087.2](#)

**RefSeq Size:** 4067 bp

**RefSeq ORF:** 1458 bp

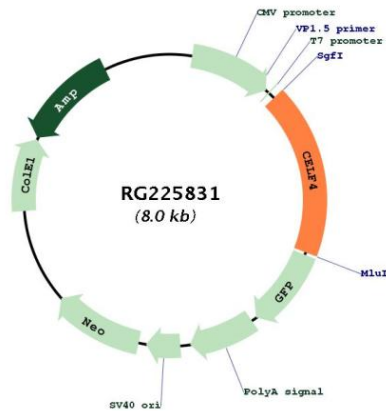
**Locus ID:** 56853

**UniProt ID:** [Q9BZC1](#)

Cytogenetics: 18q12.2

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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG225831