

## Product datasheet for **RG206275**

### **CUG BP1 (CELF1) (NM\_006560) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                           |
| Product Name:             | CUG BP1 (CELF1) (NM_006560) Human Tagged ORF Clone            |
| Tag:                      | TurboGFP                                                      |
| Symbol:                   | CUG BP1                                                       |
| Synonyms:                 | BRUNOL2; CUG-BP; CUGBP; CUGBP1; EDEN-BP; hNab50; NAB50; NAPOR |
| Mammalian Cell Selection: | Neomycin                                                      |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                        |



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**ORF Nucleotide Sequence:**

>RG206275 representing NM\_006560  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGAACGGCACCTGGACCACCCAGACCAACCAGATCTTGATGCTATCAAGATGTTTGTGGCCAGGTTCC  
 CAAGGACCTGGTCTGAAAAGGACTTGCGGGAACCTCTCGAACAGTATGGTGCTGTGTATGAAATCAACGT  
 CCTAAGGGATAGGAGCCAAAACCGCCTCAGAGCAAAGGGTGCTGTTTTGTACATTTTACACCCGTAAA  
 GCTGCATTAGAAGCTCAGAATGCTCTTCAACATGAAAGTCTCCAGGGATGCATCACCTATACAGA  
 TGAAACCTGCTGACAGTGAGAAGAACAATGCAGTGGAAGACAGGAAGCTGTTTATTGGTATGATTCCAA  
 GAAGTGCACTGAAAATGACATCCGAGTCATGTTCTCTTCGTTTGGACAGATTGAAGAATGCCGGATATTG  
 CGGGGACCTGATGGCCTGAGCCGAGGTTGTGCTTTGTGACTTTACAACAAGAGCCATGGCACAGACGG  
 CTATCAAGGCAATGCACCAAGCACAGACCATGGAGGGTTGCTCATCACCCATGGTGGTAAATTTGCTGA  
 TACACAGAAGGACAAAGAAGAGAATGGCCAGCAGCTCCAGCAGCAGATGCAGCAATCAGCGCA  
 GCATCTGTGTGGGAAACCTTGCTGGTCTAAATACTCTTGACCCCAAGTATTTAGCACTCCTTCAGCAGA  
 CTGCCTCTCTGGGAACCTCAACACCCTGAGCAGCCTCCACCCAATGGGAGGGTTGAATGAATGCAGTT  
 ACAGAAATTTGGCTGCACTAGCTGCTGCAGCTAGTGCAGCTCAGAACACACCAAGTGGTACCAATGCTCTC  
 ACTACATCCAGCAGTCCCTCAGCGTGCTCACTAGTTCAGCAGGGTCTCACCTAGCTCTAGCAGCAGTA  
 ATTCTGTCAACCCCATAGCCTCACTTGGAGCCCTGCAGACATTAGCTGGAGCAACGGCTGGCCTCAATGT  
 TGGCTCTTTGGCAGGAATGGCTGCTTTAAATGGTGGCCTGGGCAGCAGTGGCCTTTCCAATGGCACCGGG  
 AGCACCATGGAGGCCCTCACTCAGGCCTACTCGGGTATCCAGCAATATGCTGCTGCTGCGCTCCCCACTC  
 TGTACAACCAGAATCTTCTGACACAGCAGAGTATTGGTGTGCTGGAAGCCAGAAGGAAGGTCCAGAGGG  
 AGCCAACCTGTTTATCTACCACTGCCCCAGGAGTTTGGTGATCAGGACCTGCTGCAGATGTTTATGCCC  
 TTTGGGAATGTCGTGCTGCCAAGGTTTTATAGACAAGCAGACAACCTGAGCAAGTGTGTTTGGTTTTG  
 TAAGTTACGACAATCCTGTTTCGGCCCAAGCTGCCATCCAGTCCATGAACGGCTTTCAGATTGGCATGAA  
 GCGGCTTAAAGTGCACTCAAACGTTCAAGAATGACAGCAAGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206275 representing NM\_006560  
 Red=Cloning site Green=Tags(s)

MNGTLDHPDQPDLDIAIKMFVGQVPRTWSEKDLRELFEQYGAVYEINVLDRSQNPQSKGCCFVTFYTRK  
 AALEAQNALHNMKVLPGMHHPIMKPADSEKNNAVEDRKLFIMISKKCTENDIRVMFSSFGQIEECRIL  
 RGPDGLSRGCAFTFTTRAMAQTAIKAMHQAQTMEGCSSPMVVKFADTQKDKEQKRMAQQQLQQMQQISA  
 ASVWGNLAGLNTLGPQYLALLQQTASSGNLNTLSSLHPMGGLNAMQLQNLALAAAASAAQNTPSGTNAL  
 TTSSSPLSVLTSSAGSSPSSSSNSVNPISLGLALQTLAGATAGLNVGSLAGMAALNGGLSSSGLSNGTG  
 STMEALTQAYSQIQYAAAAALPTLYNQNLTTQSIGAAGSQKEGPEGANLFIYHLPQEFQDQDLLQMFMP  
 FGNVVSQKVFIDKQTNLSKCFGVSYDNPVSAQAAIQSMNGFQIGMKRLKVQLKRSKNDKSKPY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_006560

**ORF Size:** 1449 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_006560.2](#), [NP\\_006551.1](#)

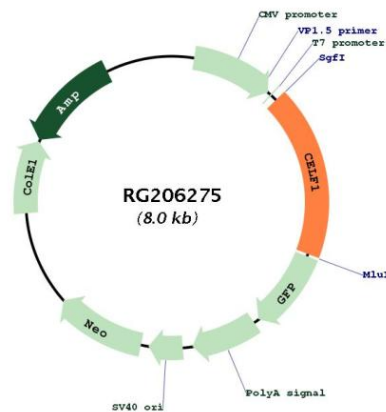
**RefSeq Size:** 2157 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 10658

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID:       | <u><a href="#">Q92879</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cytogenetics:     | 11p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Domains:          | RRM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Families: | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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. This gene may play a role in myotonic dystrophy type 1 (DM1) via interactions with the dystrophin myotonic-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] |

## Product images:



Circular map for RG206275