

## Product datasheet for **RG211063**

### CREB3L2 (NM\_194071) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CREB3L2 (NM_194071) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREB3L2
Synonyms:	BBF2H7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG211063 representing NM\_194071  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGTGCTGGAGAGCGGGAGCAGGGCGTGTGCAGTGGACCGCAAGCTGAGCGAGCTGTGAGAGC  
 CCGGGGACGGCGAGGCCCTCATGTACCACACGCACTTCTCAGAATTCTGGATGAGTTTTCCAGAACGT  
 CTTGGGTGAGCTCCTGAATGATCCTTCTCTCAGAGAAGAGTGTGCAATGGAGGTGGAACCTTCCCCG  
 ACGTCCCCGGCGCCTCTCATCCAGGCTGAGCACAGCTACTCCCTGTGCGAGGAGCCTCGGGCCAGTCGC  
 CCTTACCACATTACCAGTGACAGCTTCAATGACGATGAGGTGGAAAGTGAAGTGGTACCTGTCTAC  
 AGACTTCCCTTCAACATCCATCAAGACAGAGCCAATTACAGACGAACACCCCGAGGACTCGTCCGTCT  
 GTCAGTCTGACCATCACAGCCATCTCCACCCCGTTGGAAAAGGAGGAACCTCCTCTGAAATGAACACTG  
 GGGTTGATCCTCGTGCCAGACCATTATCCTAAAATTAAGCTGGAGCCTCATGAAGTGGATCAGTTTCT  
 AAATTCTCTCTAAAGAAGCCCAAGTGGACCACCTGCATTTGCCGCCACCCCTCCGAGCAGTCACGGC  
 AGTGACTCAGAGGGCAGCCTGAGTCCCAACCCAGCCTGCACCCCTTACGCTGCCTCAGACCCACAGCC  
 CCTCCAGAGCTGCACCCCGGGCCCCCTCCGCCCTCTCCAGCTCCCTCTCCTCACGGCTCCTCATAAAT  
 GCAGGGATCAGGCCCTCTGGTCTGACAGAGGAGGAGAAGAGGACCCTGATCGCTGAGGGCTATCCCATC  
 CCCACCAAATGCCCCTGTCAAATCAGAGGAGAAGGCCCTGAAGAAAATTCGGAGGAAGATCAAGAATA  
 AGATTTCTGCTCAGGAAAGTAGGAGAAAGAAGAAAGAATACATGGACAGCCTGGAGAAAAAGTGGAGTC  
 TTGTTCAACTGAGAACTTGAGCTTCGGAAGAAGTAGAGTTCTAGAGAACACTAATAGGACTCTCCTT  
 CAGCAACTCCAGAAGCTCAGACTTTGGTATGGGCAAGTTCGAACTGCAAGTTAGCTGGCAGCGC  
 AGACTGGCACCTGCCTCATGGTTGTGGTGTGCTTTGCCGTTGCATTCGGCAGCTTCTTCAAGGCTA  
 CGGGCCCTATCCTTCTGCCACCAAGATGGCTCTGCCAGCCAGCATTCCCTGCAGGAGCCCTACACAGCC  
 TCCGTGGTGAGATCCAGAAACCTGCTGATCTACGAGGAACATTCTCCCCAGAGGAGTCATCCAGCCGG  
 GCTCGGCTGGGGAGCTGGGGGGCTGGGATAGAGGTTCTCCCTGCTCAGGGTGTGAGGGTGGAGTCCAG  
 GCCGGATGTGGATCTTCCCATTTCATTATCTCGAATGAGACCAGCCTGGAGAAGTCAGTGCTTTTGGAG  
 CTGCAGCAGCACCTGGTCAGCGCAAATGGAGGGGAATGAAACACTAAAAGTTGTAGAACTCGACAGAA  
 GAGTGAACACCCTTTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG211063 representing NM\_194071  
 Red=Cloning site Green=Tags(s)

MEVLESGEQGVLQWRKLSLSEPGDGEALMYHTHFSELLDEF SQNVLGQLLNDPFLSEKSVSMEVEPSP  
 TSPAPLIQAEHSYSLCEEPRAQSPFTHITSDSFNDDEVESEKWLSTDFPSTSIKTEPITDEPPPGLVPS  
 VTLTITAIISTPLEKEEPPLEMTGVDSSCQTIIPKIKLEPHEVDQFLNFSPEAPVDHLHLPPTPPSSHG  
 SDSEGLSPNRLHPFSLPQTHSPSRAAPRAPSALSSPPLL TAPHKLQSGPLVLT EEEKRTLIAEGYPI  
 PTKLPLSKSEEKALKKIRRKIKNKISAQESRRKKKEYMDSLEKKVESCSTENLELRKKVEVLENTNRTL  
 QQLQKLQTLVMGKVSRTCKLAGTQTGTCLMVVLCFAVAFGSFFQYGPYP SATKMALPSQHS LQEPYTA  
 SVVRSRNLIIYEEHSPPEESSSPGSAGELGGWDRGSSLLRVSGLESRPDVLPHFIISNETSLEKSVLLE  
 LQQLHLSAKLEGNETLKVVELDRRVNTTF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_194071

**ORF Size:** 1557 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\\_194071.1](#)

**RefSeq Size:** 7455 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 64764

**UniProt ID:** [Q70SY1](#)

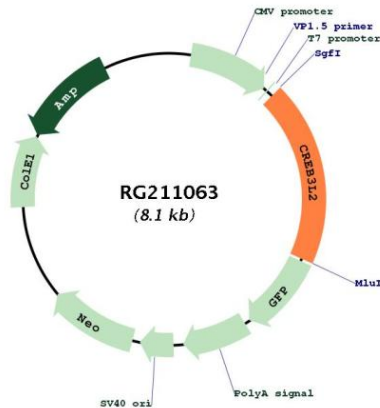
**Cytogenetics:** 7q33

**Protein Families:** Transcription Factors

**Protein Pathways:** Huntington's disease, Melanogenesis, Prostate cancer

**Gene Summary:** This gene encodes a member of the oasis bZIP transcription factor family. Members of this family can dimerize but form homodimers only. The encoded protein is a transcriptional activator. Translocations between this gene on chromosome 7 and the gene fused in sarcoma on chromosome 16 can be found in some tumors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

**Product images:**



Circular map for RG211063