

## Product datasheet for **RC233544**

### **CREB3L2 (NM\_001253775) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: CREB3L2 (NM\_001253775) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: CREB3L2  
Synonyms: BBF2H7  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RC233544 representing NM\_001253775  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGTGCTGGAGAGCGGGGAGCAGGGCGTGCAGTGGACCGCAAGCTGAGCGAGCTGTCAGAGC  
CCGGGGACGGCGAGGCCCTCATGTACCACACGCACTTCTCAGAACTTCTGGATGAGTTTTCCAGAACGT  
CTTGGGTGAGCTCCTGAATGATCCTTTCTCTCAGAGAAGAGTGTGTCAATGGAGGTGGAACCTTCCCCG  
ACGTCCCCGGCGCCTCTCATCCAGGCTGAGCACAGCTACTCCCTGTGCGAGGAGCCTCGGGCCAGTCGC  
CCTTACCACATTACCACAGTGACAGCTTCAATGACGATGAGGTGAAAGTGAGAAATGGTACCTGTC  
TACAGACTTCCCTTCAACATCCATCAAGACAGAGCCAGTTACAGACGAACCACCCAGGACTCGTCCG  
TCTGTCACTCTGACCATCACAGCCATCTCCACCCGTTGGAAAAGGAGGAACCTCCTCTGGAAATGAACA  
CTGGGGTTGATTCTCGTGCCAGACATTATTCCTAAAATTAAGCTGGAGCCTCATGAAGTGGATCAGTT  
TCTAAACTTCTCTCTAAAGAAGGTCTGTCTGCCCTCCCTGTGTCCCTTTGGGTTATGGATATGGTCTCT  
GGGTCTACAGAGAGGGAATATGGCGAGAGAGCTGGGATGAGTTTGTACCACAGATGTTGTAGCTGGCTTT  
ATGAAATAGCTCTGTTCTTAAAAAATAAAAATTTGCTTCCAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233544 representing NM\_001253775  
 Red=Cloning site Green=Tags(s)

MEVLESGEQGLQWDRKLSLSEPGDGEALMYHTHFSELLDEF SQNVLGQLLNDPFLSEKSVSMEVEPSP  
 TSPAPLIQAEHSYSLCEEPRASPFTHTITSDSFNDDEVESEKWLSTDFPSTSIKTEPVTDEPPPGLVP  
 SVTLTITAISTPLEKEEPPLEMNTGVDSSCQTIIPKIKLEPHEVDQFLNFSPEKGLSALPVSLWVMDMVS  
 GSTEREYGERAGMSLYHRCCSWLYEIALFLKKNKFASK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001253775

**ORF Size:** 744 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\\_001253775.2](#)

**RefSeq Size:** 1175 bp

**RefSeq ORF:** 747 bp

**Locus ID:** 64764

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

**Cytogenetics:** 7q33

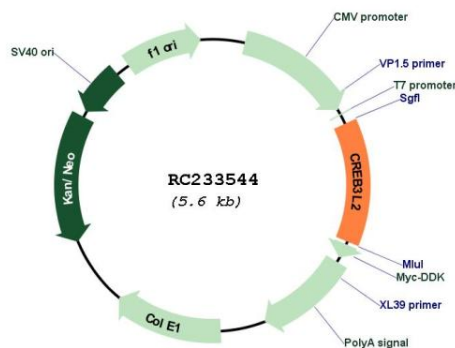
**Protein Families:** Transcription Factors

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

**MW:** 28.2 kDa

**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 RC233544