

## Product datasheet for **SC330337**

### **AIBZIP (CREB3L4) (NM\_001255981) Human Untagged Clone**

#### Product data:

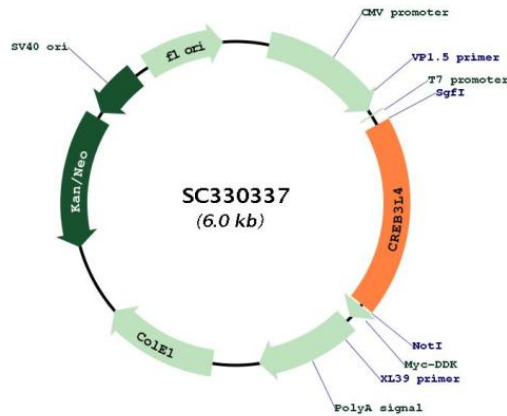
**Product Type:** Expression Plasmids  
**Product Name:** AIBZIP (CREB3L4) (NM\_001255981) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CREB3L4  
**Synonyms:** AIBZIP; ATCE1; CREB3; CREB4; hJAL; JAL  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330337 representing NM\_001255981.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGATCTCGGAATCCCTGACCTGCTGGACGCGTGGCTGGAGCCCCAGAGGATATCTTCTCGACAGGA
TCCGTCCTGGAGCTGGGACTCCACTGCCCCCTCCAGAGGTTCCGGGCCTCAAGAGAGTGAGCCTGAA
GATTTCTGAAGCTTTTCATTGATCCCAATGAGGTGACTGCTCAGAAGCATCTCCTGGCAGTGACAGT
GGCATCTCTGAGGACCCCTGCCATCCAGACAGTCCCCCTGCCCCAGGGCAACCAGTTCTCCTATGCTC
TATGAGGTTGTCTATGAGGCAGGGGCCCTGGAGAGGATGCAGGGGAAACTGGGCCAAATGTAGGCCTT
ATCTCCATCCAGCTAGATCAGTGGAGCCCAGCATTATGGTGCCTGATTCTGCATGGTCAGTGAGCTG
CCCTTTGATGCTCATGCCACATCCTGCCAGAGCAGGCACCGTAGCCCCAGTGCCTGTACAACCCCTG
CTGCCCTGTCAAACCCTGTTCTGACCGATGAGGAGAAGCGTCTGCTGGGGCAGGAAGGGTTTCCCTG
CCCTCTCACCTGCCCTCACCAAGGCAGAGGAGAGGGTCTCAAGAAGGTCAGGAGGAAAATCCGTAAAC
AAGCAGTCAGCTCAGGACAGTCGGCGCGGAAGAAGGAGTACATTGATGGGCTGGAGAGCAGGGTGGCA
GCCTGTTCTGCACAGAACCAAGAATTACAGAAAAAAGTCCAGGAGCTGGAGAGGCACAACATCTCCTTG
GTAGCTCAGCTCCGCCAGCTGCAGACGCTAATTGCTCAAACCTCCAACAAAGCTGCCAGACCAGCACT
TGTGTTTTGATTCTTCTTTTTCCCTGGCTCTCATCATCCTGCCAGCTTCAGTCCATCCAGAGTCGA
CCAGAAGCTGGGCTGAGGATTACCAGCCTCACGGAGTGACTTCCAGAAATATCCTGACCCACAAGGAC
GTAACAGAAAATCTGGAGCCCAAGTGGTAGAGTCCAGACTGAGGGAGCCACCTGGAGCCAAGGATGCA
AATGGCTCAACAAGGACTGCTTGAGAAGATGGGAGGGAAGCCAAGACCCAGTGGGCGCATCCGGTCC
GTGCTGCATGCAGATGAGATGTA
```

**Restriction Sites:** Sgfl-NotI



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**Plasmid Map:**


**ACCN:** NM\_001255981

**Insert Size:** 1128 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001255981.1](#)

**RefSeq Size:** 1555 bp

RefSeq ORF:	1128 bp
Locus ID:	148327
UniProt ID:	<a href="#">Q8TEY5</a>
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Melanogenesis, Prostate cancer
MW:	41.3 kDa
Gene Summary:	<p>This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane domain which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1. Variants 4 and 5 encode the same protein.</p>