

## Product datasheet for **MC203875**

### **Creb3l3 (NM\_145365) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Creb3l3 (NM_145365) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Creb3l3
Synonyms:	BC010786; CREB-H; D10Bur1e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010786  
 GCTGGGCTGGGAGCTGCTGGCCTGTATTTGAGCATCTTTGGGAGGTGGAGACGTGGCAAAGGCTGTAGCA  
 GGCGGTGACAGGGACCCGAAAAGAGGCTGCCACAGGCACGGGACTCATGGATGGGGACATAGCGGCTGGA  
 AAGATGGCGTCCCCTGTCTGTGCTATGGCGCCCTTGGACAGCATGGAGGTCTTGACCTCTGTTTGATC  
 GGCAGGACGGCATCCTGAGAAACGTGGAGCTGGCCGAGGGCTGGATCCTCGCCAGAGAGGAGCAGAAAAGT  
 TCTACTAAATTCTGATTCTGATGAATTCCTAAATTGCATCCTGGGACCTGGAGACTCTGACCCAGCTCT  
 CCATTATGGTCCCCCGCTGACAGTGACAGTGGCATCTCTGAGGATCTACCTTCAGACCCCCAGGACACCC  
 CTCCTCGTAGTGGCACTGAACCAGCCAACACGGTAGCCAGGTGTACACCAGGGAGCAAGGCAAGGGGCC  
 CTGCCCTCTATCTGCCAGCACCCCATGCCCTGAGCCTCCAAGGACACAAGTCCAGGAGTCTCAGTG  
 GCCATTGACCTGGACATGTGGAGCACAGATACCCTGTACCCGGAGGAGCCGGCTGGCTCGCCCTCCCGCT  
 TCAACCTCACTGTGAAGGAAGTCTGCTGTCCGGTGGCAGCGGGGACTTGCAACAGCATTCTTGCTGC  
 CTCCCAGCTGCTGGGACCTGGGAGTGGGACTGCCAGGAGCTGGTGTGACAGAGGATGAGAAGAAGCTG  
 CTGGCTAAAGAGGGGGTACCCTCCCCACCCAGCTGCCTCTACCAAGTATGAGGAACGAGTTTTGAAAA  
 AAATCCGCAGAAAGATCCGGAACAAACAGTCAGCTCAAGAAAGCAGGAAGAAGAAAAAAGAATACATTGA  
 TGGTCTGGAGAACCGGATGTCAGCGTGTACTGCCAGAACCAGGAGCTGCAGAGGAAGGTTTTGCATTTA  
 GAAAAGCAAAAATTTGCTCTTCTGGAGCAGCTGAAACACCTGCAGGCACTTGTGGTCCAGTCAACCAGCA  
 AGCCAGCCATGCAGGCACCTGCATAGCGGTCTTCTGCTGTCTTCCGCTGATCATCCTCCCCTCCAT  
 CAGCCCTTTCAACTCAAACAAAGTTGACAGCCCTGGAGACTTCGTGCCAGTGCAGTGTTCAGAAACC  
 CTCCACAACCACGCTGCATCCCGCTGGCTCCCGATGTACCCCCAGGATCTGAGGTCCCAGGACCTTGGC  
 CCGACGTTGGTACCCCCACAAGGGCCCTTCTCCGGTGGTCTCAGTGCAGACTGGGGAAATTTTCTGGA  
 AATTCATGTTGGACAACCTGACAGAAGAGCTAGACAACCTCCACCCTGGTGTGGCCAACTCCACAGAG  
 GACCTGGGACGGGCCACCCTGCTGGACTGGTGGCTTCCAGAACCTGCTCAGTCCAGGCCGGGTTGGGC  
 TGGAGATACCAGGGGAGATGTGGCTGTCTGGTACCAAGTGGCTTAGGGTCCGTCTGGTCAAGATGC  
 ATTGGGGGTGCTGTGACAGACTCAGACAGCCCTGGGGACGACTGCCTCCTGGAGAAGCTGACCCCCAAGT  
 CAGGGGGAAATGGGGTTTCCAGGCACAGAGACATGAAGGCCCTGGGGTAGAACAGGAACCAGAGCCCTT  
 ACCCATACATGCAGACAGACTGACACTAACACCTGAACCCTAACCTCAAACCATGGAGCTCTACTCTCC  
 CCTGACCACCAGGAAGATGCAGAGTCTCTGGGACCTGGGCTTCCCAAATCAAGGTTTAGCCACAAACTT  
 CCATCTTCTCTTTTGGAGAGAGGTCTTCTCTTGTAGACCAGGCTGGCCTCAGATTTACAGAGCTCTAC  
 CTGCTTCTGTCTCAAGTGCTAGGATTAAGGTGTGAGCACCACCTCTTTTCTAAGACTTTGTGACCT  
 TCAATAAAGTATTTTGACAAAAGTGAAGAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145365

**Insert Size:** 1440 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: [BC010786](#), [AAH10786](#)

RefSeq Size: 2000 bp

RefSeq ORF: 1440 bp

Locus ID: 208677

UniProt ID: [Q91XE9](#)

Cytogenetics: 10 39.72 cM

**Gene Summary:** Transcription factor that may act during endoplasmic reticulum stress by activating unfolded protein response target genes. Activated in response to cAMP stimulation. Binds to the cAMP response element (CRE). Activates transcription through box-B element (By similarity). Activates transcription through CRE. Seems to function synergistically with ATF6. In acute inflammatory response, may activate expression of acute phase response (APR) genes. May be involved in growth suppression.[UniProtKB/Swiss-Prot Function]