

Product datasheet for **RN209683**

Creb3l3 (NM_001012115) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb3l3 (NM_001012115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Creb3l3
Synonyms:	MGC109013
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209683 representing NM_001012115
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGGGGACATATCGACGGGAAAGATGGCGTCCCCTGCCTGTGCCATGGCTCCCTTAGATAGCATGG
 AAGTCCTTGACCTCCTGTTCGACGGGCAGGATGGCATCCTGAGAAATGTAGACCTGGCTGAGAGCTGGAT
 CCTCACCAGAGAGGAACAGAAAGTTCTACCAAATTCGACTCTGATGAATTCCTAAATTCATCCTGGGA
 CCTGGAGACTCTGACCCAGCTCCCAATATGGTCCCAGCTGACAGTGACAGCGGCATCTCTGAGGATC
 TACCTTCCGATCCAGGACACCCTCCTGGTAGTGGACCTGGATCCGCTAACGTTGCAGCCAGGTGTCA
 TCCAAGCAAGCAAGGCGAGGGGCCCTGCCCTCTACCTCTCTAGCACAGCATGCCCTGAGCCTCCAAGG
 ACACAAGTCCATGAGTCCGTTGGCCATTGACCTGGACATGTGGAGCACAGACACCCTGTACCCGGAGG
 AGCAGGCTGGCTGCCCTCCCGTTCAACCTCACTGTGAAGGAATTGCTGCTGTCTGGTGGTGGCGGGGA
 CTTGCAACAGCATCCCTTGGCCGCTCCAGCTGCTGGGACCTGGGAGTGGGCACTGCCAGGAGCTGGTA
 CTGACAGAGGATGAGAAGAAGTTGCTGGCTAAAGAGGGGGTACCCCTCCACCCAGCTGCCCTCACCA
 AGTATGAGGAACGGGTGTTGAAAAAATCCGCAGAAAGATCCGGAAACAAACAGTCAGCTCAAGAAAGCAG
 AAAGAAGAAAAAGAATACATCGATGGTTTGGAGAACCGATGTCAGCGTGTACCGCCAGAACCCAGGAG
 CTGACAGGGAAGGTCTTGCACTTAGAAAAGCAAAATTTGTCTTCTGGAGCAGCTCAAACACCTGCAGG
 CTCTTGTGGTCCAGTCAACCAGCAAGCCTGCCATGCAGGCACCTGCATAGCGGTCTTCTGCTGTCTT
 CGTCCTGATCATCCTCCCTCCATCAGCCCTTCACTGCCAACAAAGTCGACAGCCCTGGTGACTTCATT
 CCAGTCCGAGTGTTCAGAACCCCTGCACAACCATGCTGCATCCCGCGTGGCTCCCGACGTCACCCAG
 GACCCGAGGTCCAGGACCCCAAAAGGCTCTTCTGGCGGCCCTCAGTGCAGACTGGGGAAATTTCTAGA
 AATTCCAATGTTGGATGACCCAACAGAAGAGTTAGACAACACCCTGGTGTGGCCAACCTCCACAGAG
 GACCTGGGACGGGCCACTCTGCTGGACTGGGTGGCTTCAAGAACCTGCTTGGCCAGATGGGGCTGGAGA
 TACCAGGGGAGGAGATATGGCTGTCTGGGTACCGAGGTGGCTCAGGGTCCGTGTGGTGAAGATGCTTT
 GGGGGTGTATGA

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012115

Insert Size: 1413 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_001012115.1](#), [NP_001012115.1](#)

RefSeq Size: 1956 bp

RefSeq ORF: 1413 bp

Locus ID: 314638

UniProt ID: [Q5FVM5](#)

Cytogenetics: 7q11

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 the cAMP response element (CRE). Activates transcription through box-B element and CRE. Seems to function synergistically with ATF6. In acute inflammatory response, may activate expression of acute phase response (APR) genes (By similarity). May be involved in growth suppression. [UniProtKB/Swiss-Prot Function]