

Product datasheet for **RN200793**

Creb3l4 (NM_001007093) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Creb3l4 (NM_001007093) Rat Untagged Clone
Tag: Tag Free
Symbol: Creb3l4
Synonyms: AlbZIP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200793 representing NM_001007093
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCGGGTGCCTGAGTTGCTGGAACCCCAAGATATCTTCTCGACAGGATCTTCTGGAGC
 TGGGATTTAATGGTCCCCGTCAAAGGTGCCGGCCTTCAGAAGAGCGAGTCTGATGATTTCTGAACCT
 CTTTATCGATCCAATATGATACGCTGCTCAGAAACATCTCCTGGTAGTGACAGTGGGGTCTCTGAAGAT
 CCTGGCTCCCCTGCCACAGGCACCCAGTTCGCCAGCCCTCTATGAAGTTGTCTATGAGGCAGGAGCCC
 TACAGGGAACCCAGCGGGAAGCTGGGCCAACCTTCGGACTCATCTCCATCCAGATAGATCAGTGGAGCCC
 TGCATTTATGGTACCTGGTGCCTGCACAGTCAGTGATCTGCCCTCTGAAGCTCATAGACACATCCTGCCT
 AGAGTCAGCACCATAGCCCCACCACCTCCTGCAGCCCTGCTGTCTGCCAACGTCTGTTCTGACAGATG
 AAGAAAAGCATCTGCTGGGACAAGAAGGGGTTACTCTGCCCTCTCACCTGCCCTCACCAAGGCAGAGGA
 GAGAATACTCAAGAAGATCAGGAGGAAAATCCGCAACAAGCAGTCAGCTCAGGACAGCCGGCGGAGGAAG
 AAAGAATACATAGATGGGCTGGAGAGCAGAGTGGCAGCCTGTTCTGAGCAGAACCAGAACTGCAGAGAA
 AGGTCCAGGAGCTGGAGAGGCAGAACATCTCGTTGGTGGCGCAGGTCCATCAGTTACAGAAGTTCACTGC
 TCAGACCTCCAGCAGAGCTGCCAGACCAGCACCTGTGTTCTGATTCTTCTTTTTTCTGGTGGCTCTCATC
 ATCCTGCCAGCTTCAGCCCCTTCAGAGTCAACCAGAAGCTAGGTCTGAGGGTTATCAGCTTCATGGAG
 TCATTTCCAGAAATATCTTGACTCATGAGGACATGACAGAAAGCCCGGAGAGTCCAGTGCTAAAGGCCAA
 CCTGGAGGAGCTACCTCAAGTCCAGCCACAAATGGCTCAACAAAGATGGCTCATCTGAAGATGCGAGTG
 AAGGCCAGACCCACTGGGCCGATCAGGGGAATGGTGCATGCAGATGAGATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007093



Insert Size:	1104 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:	<ol style="list-style-type: none">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:	<u>NM_001007093.1, NP_001007094.1</u>
RefSeq Size:	1104 bp
RefSeq ORF:	1104 bp
Locus ID:	310616
UniProt ID:	<u>Q5UEM7</u>
Cytogenetics:	2q34
Gene Summary:	Transcriptional activator that may play a role in the unfolded protein response. Binds to the UPR element (UPRE) but not to CRE element. Preferentially binds DNA with to the consensus sequence 5'-T[GT]ACGT[GA][GT]-3' and has transcriptional activation activity from UPRE. Binds to NF-kappa-B site and has transcriptional activation activity from NF-kappa-B-containing regulatory elements. Increases the binding of CREM isoform Delta with CRE. The CREM isoform Delta-CREB3L4 heterodimer functions through CRE but not through UPRE and may recruit HIRA to CRE to regulate histone exchange (By similarity).[UniProtKB/Swiss-Prot Function]