

Product datasheet for **MR207687**

Creb3l3 (NM_145365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb3l3 (NM_145365) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Creb3l3
Synonyms:	BC010786; CREB-H; D10Bur1e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207687 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGGGGACATAGCGGCTGGAAAGATGGCGTCCCCTGTCTGTGCTATGGCGCCCTTGGACAGCATGG
 AGGTCCTTGACCTCCTGTTTATCGGCAGGACGGCATCCTGAGAAACGTGGAGCTGGCCGAGGGCTGGAT
 CCTCGCCAGAGAGGAGCAGAAAGTTCTACTAAATCTGATTCTGATGAATTCCTAAATTGCATCCTGGGA
 CCTGGAGACTCTGACCCAGCTCTCATTATGGTCCCCGCTGACAGTGACAGTGGCATCTCTGAGGATC
 TACCTTCAGACCCAGGACACCCTCCTCGTAGTGGCACTGAACCAGCCAACACGGTAGCCAGGTGTCA
 CACCAGGGAGCAAGGCAAGGGCCCTGCCCTCCTATCTGCCAGCACCCATGCCCTGAGCCTCCAAGG
 ACACAAGTCCAGGAGTCTCAGTGGCCATTGACCTGGACATGTGGAGCACAGATACCCTGTACCCGGAGG
 AGCCGGCTGGCTGCCCTCCCGTTCAACCTCACTGTGAAGGAAGTGTCTGTCCGGTGGCAGCGGGGA
 CTTGCAACAGCATTCTTGGCTGCCTCCAGCTGCTGGGACCTGGGAGTGGGCACTGCCAGGAGCTGGT
 CTGACAGAGGATGAGAAGAAGTCTGGCTAAAGAGGGGGTACCTCCCCACCCAGCTGCCTCTACCA
 AGTATGAGGAACGAGTTTTGAAAAAATCCGCAGAAAGATCCGGAACAAACAGTCAGCTCAAGAAAGCAG
 GAAGAAGAAAAAGAATACATTGATGGTCTGGAGAACCGATGTCAGCGTGTACTGCCAGAACCAGGAG
 CTGCAGAGGAAGGTTTTGCATTTAGAAAAGCAAAATTTGTCTTCTGGAGCAGCTGAAACACCTGCAGG
 CACTTGTGGTCCAGTCAACCAGCAAGCCAGCCATGCAGGCACCTGCATAGCGGTCTTCTGCTGTCTCT
 CGCCCTGATCATCCTCCCTCCATCAGCCCTTCAACTCCAACAAAGTTGACAGCCCTGGAGACTTCGTG
 CCAGTGGAGTGTTCAGAACCTCCACAACCAGCTGCATCCCGCGTGGCTCCCGATGTCACCCAG
 GATCTGAGTCCCAGACCTTGGCCGACGTTGGTACCCCCACAAAGGCCCTTCTCCGGTGGTCTCAG
 TGCAGACTGGGGAATTTCTGGAAATCCAATGTTGGACAACCTGACAGAAGAGCTAGACAACCTCACC
 CTGGTGTGGCCAACTCCACAGAGGACCTGGGACGGGCCACCCTGCTGGACTGGTGGCTTCAGAACCAC
 TGCTCAGTCCAGGCCGGTTGGGCTGGAGATACCAGGGGAGATGTGGCTGTCTGGGTACCAAGGTGGCT
 TAGGGTCCGTCTGGTGAAGATGCATTGGGGTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207687 protein sequence
 Red=Cloning site Green=Tags(s)

MDGDIAAGKMASPVCAMAPLDSMEVLDLLFDRQDGI LRNVELAEGWILAREEQKVLNLSDSDEF LNCILG
 PGSDPSSPLWSPADSDSGISEDLPSPDQDTPPRSGTEPANTVARCHTREQKGPCPSYLPSTPCPEPPR
 TQVQESSVAIDLDMWSTDTLYPEEPAGSPSRFNLTVKELLLSGGSGDLQHQSLAASQLLPGPSGHCQELV
 LTEDEKLLAKEGVTLPTQLPLTKYEERVLKIRRKIRNKQSAQESRKKKEYIDGLENRMSACTAQNQE
 LQRKVLHLEKQNL SLLEQLKHLQALVVQSTSKPAHAGTCAVLLLSFALIILPSISPFNSNKVDS PGDFV
 PVRVFSRTLHNHAASRVAPDVTGSEVPGPWPVGTGPHKGPSSGGLSADWGNFLEIPMLDNLTEELDNST
 LVLANSTEDLGRATLLDWVASEPLLSPGRVGLIPGEMWLSWVPRWLRVRLVQDALGVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_145365

ORF Size: 1440 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_145365.3](#)

RefSeq Size: 2283 bp

RefSeq ORF: 1440 bp

Locus ID: 208677

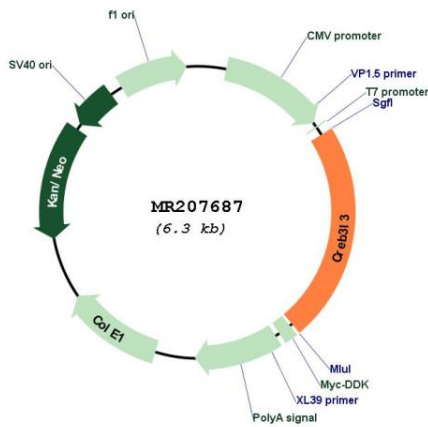
UniProt ID: [Q91XE9](#)

Cytogenetics: 10 39.72 cM

MW: 52.1 kDa

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]

Product images:



Circular map for MR207687