

Product datasheet for **MR205698**

Creb3l4 (NM_030080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb3l4 (NM_030080) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Creb3l4
Synonyms:	1700012K17Rik; 5330432F22Rik; acre1; AIBZIP; ATCE; AV040530; AV258827; CREB4; J; JAL; mj; Tis; Tisp; TISP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205698 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTCGGGTGCCTGAGTTGCTGGAACCCCAAGAAGATATCTTCTCGACGGGATCCTTCTGGAGC
TGGGATCAACGGTCCCAGCTCAAAGTCCCGGTGACCAGGGGCCTTCAGAAGAGTGAACCTGACGATTT
CCTGAACCTCTTTATCGATCCCAATATGATACACTGCTCAGAAACATCTCCTGGTAGGGACAGTGGGGTC
TCTGAAGATCCTGGTCCCCTGCCCAACAGGCTCCAGTTCCTGCTCCTATGAGGTTGTCTATGATT
CAGGGACCCTACAGGGAAGCTCAGCGGAAGCTGGGCCAACCTTCGGACTCATCTATTTCAGATAGATCA
GTGGACCCCTGCACTTATGGTCCCTGATGCATGCACAGTCAGTGGACTGCCCTCCGATTCGCATAGACAT
ATCCTGCCTAGGGTCAGCACCAGAGCCCAGCACCTCCTGCAGCCATGCCGTCTGCCAACATCATCTGT
TCCTGACAGATGAAGAAAAGCAACTGCTGGCACAAGAAGGGATTACTCTGCCCTCTCACCTGCCCTCAC
CAAGGCAGAGGAGAGAATACTCAAGAAGATCAGGAGGAAAATCCGCAACAAGCAGTCGGCTCAGGACAGC
CGGCGGCGGAAGAAAGAATACTTAGATGGGCTGGAGAGCAGAGTGGCGGCTGTTCCGGAACAGAATCAGA
AACTACAGAGAAAGTCCAGGAGCTGGAGAGGCAGAACATCTTCTTATGGAACAGTCCGCCAGTTACA
GAAGCTCACTGCTCAGACCTCCAGCAGAGCTGCCAGACCAGCACCTGTGTTCTGATTCTTCTTTTTTCA
CTGGCTCATCATCTGCCAGTTTCAGCCCCCTTCAGGGTCAATCAGAAGCTAGGCCGAGGATTATC
AGCTTCATGGAGTGATTTCCAGAAATATCTTGACTCACGAGAACGTAACAGAAAACCTGGAGAGTCCAGT
GCTAAAGTCCAACTGGAGGAGCTACCTGAAGCCCCAACTACAAATGGTTCAACAAGACACATCTGAAG
ATGCGAGTGAAGCGGAGACCCCTGGACAGATCAGGGGAATGGTCATACAGATGAGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205698 protein sequence
Red=Cloning site Green=Tags(s)

MELGCPELLEPPEDIFSTGSFLELGFNGPASKVPVTRGLQKSEPDDFLNLFIDPNMIHCSETSPGRDSGV
 SEDPGSPAQQASSPALYEVVYDSGTLQGTQREAGPTFGLISIQIDQWTPALMVPDACTVSGLPSDSHRH
 ILPRVSTRAPPAAMPSCQHHLFLTDEEKQLLAQEGITLPSHLPLTKAEERILKKIRRKIRNKQSAQDS
 RRRKKEYLDGLESRVAACSEQNQKLQRKVQELERQNIIFLMEQVRQLQKLAQTSSRAAQTSTCVLILLFS
 LALIILPSFSPFQGGSEARPEDYQLHGVISRNILTHENVTENLESPVLKSKLEELPEAPTTNGSTKTHLK
 MRVKARPPGQIRGMVHTDEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030080

ORF Size: 1113 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_030080.3](#)

RefSeq Size: 1553 bp

RefSeq ORF: 1113 bp

Locus ID: 78284

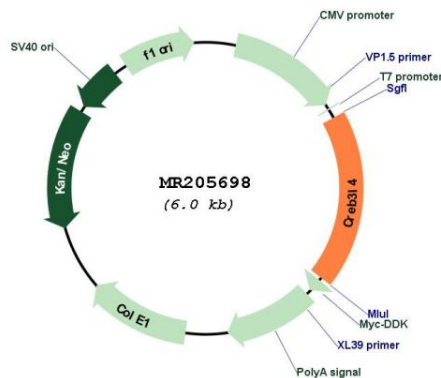
UniProt ID: [Q9D2A5](#)

Cytogenetics: 3 F1

MW: 41 kDa

Gene Summary: This gene encodes a CREB (cyclic AMP-responsive element-binding) protein with a transmembrane domain which localizes it to the ER membrane. The encoded protein may play a role in adiposity and male germ cell development. Homozygous knockout mice for this gene show increased adipogenesis, elevated testicular germ cell apoptosis and defects in spermatogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR205698