

## Product datasheet for MR204958

### Creb5 (BC029022) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Creb5 (BC029022) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Creb5
Synonyms:	9430076C15Rik; CRE-BPa; Crebpa; D430026C09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204958 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGCTCCATGCCTGGAACCTGCCAACCCACCATGCCAGGATCTTCTGCCGTCTTGATGCCTA  
TGGAGAGACAGATGTGAGTGAATCCAGCATCATGGGCATGCAAGGTCCAAACCTCAGCAACCCCTGTGC  
TTCTCCCCAAGTCCAGCCAATGCATTGAGAAGCCAAAATGAGACTGAAGGCTGCGCTGACTACCATCCT  
GCCGCCATGTGAAACGGGAACATGAGCACCATCGGACACATGATGGAGATGATGGGCTCCCGGCAAGACC  
AGACACCGCACCACCTGCACTCACACCCGCATCAGCACCAGACACTGCCGCCACCCACCCCTACCC  
ACACCAGCACCAGCACCCCGCACACCATCCCCACCCACAGCCTCACACCAGCAGAACCCCGCACCCAC  
CACTCCATTCCACCTTACGCACACCCGGCGCACACCAGACCTCGCCACACCCACCCCTGCACACCG  
GCAACCAAGCACAGGTTTACCAGCTACACAACAGATGCAGCCAAACCCAGACAATACAACCCACCCAGCC  
CACAGGGGACGCGCGGAAGAGTGGTGGATGAGGACCCAGATGAGAGGCGGAGGAAATTTCTGAAAGG  
AACCGGGCCGCGCCACCCGCTGCAGACAGAAGAGGAAGGTCTGGGTGATGCTACTGGAAAAGAAAGCTG  
AAGAGCTACCCAGACAAACATGCAGCTTCAGAATGAAGTGTCCATGTTGAAAACGAGGTGGCCAGCT  
GAAGCAGTTGTTGTTAACACATAAAGACTGTCCGATAACAGCCATGCAGAAAGAATCCCAAGGGTATTTA  
AGTCCAGAGAGCAGCCCTCCTGCGAGCCCTGTGCCAGCATGCTCTCAGCAGCAAGTTATCCAACACAACA  
CCATCACTACATCCTCATCGGTACGAGGTGCGGGGAGCTCCACCCTCAGTCAGCTTACAACCTCACAG  
AACAGACCTGAATCCTATTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204958 protein sequence  
Red=Cloning site Green=Tags(s)

MPASMPGTLPNPTMPGSSAVLMPMERQMSVNSSIMGMQGPNL SNPCASPQVQPMHSEAKMRLKAAL THHP  
 AAMSNGNMSTIGHMEMMGSRDQTPHHHLHSHPHQHQLPPHHPYPHQHQHPAHHHPHPQHHQNHPPH  
 HSHSHLHAHPAHHQTSHPHPLHTGNQAQVSPATQQMQPTQTIQPPQPTGRRRRRVVDEDPDERRRKFLE  
 NRAAATRCRQKRKVVVMSLEKKAEEELTQTNMQLQNEVSMKNEVAQLKQLLLTHKDCPITAMQKESQGYL  
 SPESPASPVPACSQQVIQHNTITSSSVSEVVGSSTLSQLTTHRTDLNPIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC029022

**ORF Size:** 1002 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:** [BC029022](#), [AAH29022](#)

**RefSeq Size:** 2823 bp

**RefSeq ORF:** 1004 bp

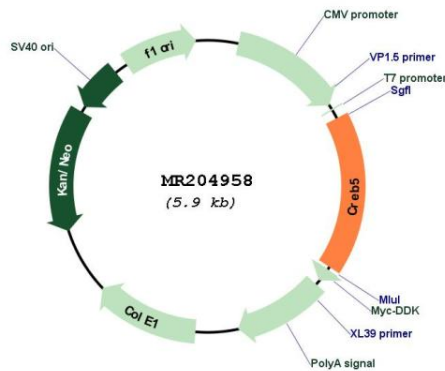
**Locus ID:** 231991

**Cytogenetics:** 6 25.9 cM

**MW:** 37.3 kDa

**Gene Summary:** Binds to the cAMP response element and activates transcription.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204958