

Product datasheet for **MG204958**

Creb5 (BC029022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb5 (BC029022) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Creb5
Synonyms:	9430076C15Rik; CRE-BPa; Crebpa; D430026C09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204958 representing BC029022 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGCTCCATGCCTGGAACCTGCCAACCCACCATGCCAGGATCTTCTGCCGTCTTGATGCCTA
TGGAGAGACAGATGTCAGTGAATCCAGCATCATGGGCATGCAAGGTCCAAACCTCAGCAACCCCTGTGC
TTCTCCCCAAGTCCAGCCAATGCATTGAGAAGCCAAAATGAGACTGAAGGCTGCGCTGACTACCATCCT
GCCGCCATGTCGAACGGGAACATGAGCACCATCGGACACATGATGGAGATGATGGGCTCCCGGCAAGACC
AGACACCGCACCACCTGCACTCACACCCGCATCAGCACCAGACACTGCCGCCACCCACCCCTACCC
ACACCAGCACCAGCACCCCGCACACCATCCCCACCCACAGCCTCACCCAGCAGAACCCCGCACCCAC
CACTCCATTCCACCTTACGCACACCCGGCGCACCCAGACCTCGCCACACCCACCCCTGCACACCG
GCAACCAAGCACAGGTTTCACCAGCTACACAACAGATGCAGCCAAACCCAGACAATACAACCCACCCGACC
CACAGGGGACGCGCGGAAGAGTGGTGGATGAGGACCCAGATGAGAGGCGGAGGAAATTTCTGAAAGG
AACCGGGCCGCCACCCGCTGCAGACAGAAGAGGAAGGTCTGGGTGATGTCCTGAAAGAAAGCTG
AAGAGCTACCCAGACAAACATGCAGCTTCAAGATGAAGTGTCCATGTTGAAAACGAGGTGGCCAGCT
GAAGCAGTTGTTGTTAACACATAAAGACTGTCCGATAACAGCCATGCAGAAAGAATCCCAAGGGTATTTA
AGTCCAGAGAGCAGCCCTCCTGCGAGCCCTGTGCCAGCATGCTCTCAGCAGCAAGTTATCCAACACAACA
CCATCACTACATCCTCATCGGTACGAGGTGCGGGGAGCTCCACCCTCAGTCAGCTTACAACCTCACAG
AACAGACCTGAATCCTATTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204958 representing BC029022
 Red=Cloning site Green=Tags(s)

MPASMPGTLPNPTMPGSSAVLMPMERQMSVNSSIMGMQGPNL SNPCASPQVQPMHSEAKMRLKAAL THHP
 AAMSNMSTIGHMEMMGSRDQTPHHHLHSHPHQHQLPPHPYPHQHHPAHHHPHPHHQNHPPH
 HSHSHLHAHPAHHQTSHPHPLHTGNQAQVSPATQQMQPTQTIQPPQPTGRRRRRVVDEDPDERRRKFLE
 NRAAATRCRQKRKVVVMSLEKKAEEELTQTNMQLQNEVSMKNEVAQLKQLLLTHKDCPITAMQKESQGYL
 SPESPAPSPVACSQQVIQHNTITSSSVSEVVGSSLSQLTTHRTDLNPIL

TRTRPLE - GFP Tag - V

Restriction Sites:

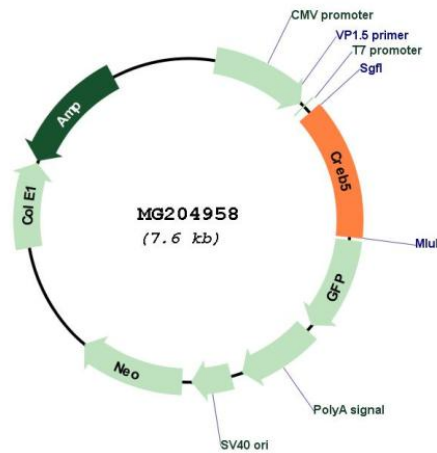
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC029022

ORF Size: 1004 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:	<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:	BC029022 , AAH29022
RefSeq Size:	2823 bp
RefSeq ORF:	1004 bp
Locus ID:	231991
Cytogenetics:	6 25.9 cM
Gene Summary:	Binds to the cAMP response element and activates transcription.[UniProtKB/Swiss-Prot Function]