

Product datasheet for **MG211895**

Rreb1 (BC080680) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rreb1 (BC080680) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rreb1
Synonyms:	1110037N09Rik; AA414966; B930013M22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211895 representing BC080680 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCGAATTCGCCATTGGTTTAGAAGGCTCAGACCTGTCTCCATCAACACCATGATGTCAGCAG
TAATGAGCGTAGCGAGTGTACAGAGAATGGTGGGAGCCCCAGGGCATCAAGTCCCCCATGAAACCTCC
AGGACCAAATCGGATTGGCAGAAGGAACAGGAAACGAAAGAGGAGAAGTCTTCTACAACGTGCCCTA
TGTGAAAAGATTTGCACCACCCAGCACCAGCTGACCATGCACATCCGTCAGCACAAACACAGACACGGGAG
GAGCTGACCACGCATGCAGTATCTGTGGGAAGTCGCTGAGCTCGGCCAGCTCCCTGGATCGTCACATGCT
GGTGCACTCTGGCGAGAGGCCTTACAAGTGTACAGTGTGTGGCCAGTCTTTCACCACCAATGGGAACATG
CACAGACATATGAAGATTCATGAGAAGGATACCAACAGTACTACAGCTGCAGCCCCCTCCATCCCCCTCTGA
AGCGCAGGCGGTTGTCTCCAAAAGGAAGCTGAGTCACGATGCCGAGTCAGAAGACCCAGGACGAGCTAA
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GATGTGACATTTGCTGCGTCACCTTCCGCACACATCGAGGACTGCTGCCCAATGCATTGTCCACAA
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TATCCAACAGATTCTAAGATGGCAGCTCCGCTCCTCCGAGATCAGTCTTCCGCCACTTCCAAGGCC


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CCTGCCACCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC
 GGACAGTGGTAGCCGCCTCCACGCCCCACCTCTCATCAAGCCAGCAGGCATCTCCCGTTGTATCAG
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 ACTGACACCACAAGCTCTAAAGAATCCAGTGAGCCACCCCTGCAGCCAGCAGCCTGAGGAAGCCTTGC
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 GAGAGCAAAGCGGAACCTCTATGCCAACTGCCTGCAAAAGATCAACTGTCCCCACTGTCCCCGGGTCTTC
 CCTTGGGCCAGCTCCCTGCAGCGGCACATGCTTACACACACTGGTAAGAAGGCCCTCACGGCTCACCAGG
 CGGTGAGTCTTGAAGGAAAGAG

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211895 representing BC080680
 Red=Cloning site Green=Tags(s)

MTSNSPIGLESDLSSINTMMSAVMSVASVTENGGSPQGIKSPMKPPGPNRIGRRNQETKEEKSSYNCP
 CEKICTTQHQLTMHIRQHNTDTGGADHACSIKSLSSASSLDRHMLVHSGERPYPKCTVCQGSFTTNGM
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 CFKEFVCKYELETHMETHSDNPLRCDICCVTFRTHRGLLRHNLVHKQLPRDAMGRPFIQNNPSIPAGFH
 DLGFTDFSCRKFPRISSQAWCETNLRRICSEQHRFVCDTCDKAFPMSSLLHRQSHIPADQGREKLQTKT
 LAESLEQKAFALLGLQHTKDVKPAPAEELLPPDNQAIQLQTLKYQLPQEPGCPTVLVSPLDAASLGG
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 ICHYPFTVKANCERHLRKKHLKATRKDIEKNIEYVSSPTAELVDAFCAPETVCRLCGEDLKHYRALRIHM
 RTHCSRGLGGCHKGRKPFCKEKNAPFVAKRNCIHHILKQHLHVPEKDIESYVLATNSGLPADTPTDAA
 SRGEEGSCVTFACECKPLATFLEPQNGFLHSSPTQPLPSHISVKLEPASSFAMDFNEPLDFSQKGLALVQV
 KQENVSSLLTSSSSSALYDCSMEPIDLSIPKSVKKGDKDTPVPSDAKKPEPEAGQAEPLSPRPPPCPTLS
 VTVEPKGSLETPGTVVAVTTAAKLEPHTQPLQGSVQLAVPIYSPALVSNTPLLGNSAALLNNPALLRPL
 RPKPPLLLPKPSMTEELPLASIAQIISSVSAPTLLKTKVADPGPSITSSNTVATDSPGSSTPKAAATP
 TDTSSKESSEPPPAASSPEEALPTEQGAATSSSRKGRKRLNRPLPNSSAVDLSSGEFASIEKML
 ATDTNKFSPFLQTAEDDTQEEVAGAPADQHGPADEEQGSPAEDRLLRAKRNSYANCLQKINCPHCPRVF
 PWASSLQRHMLTHTGKKALTAHQAVSLERKE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

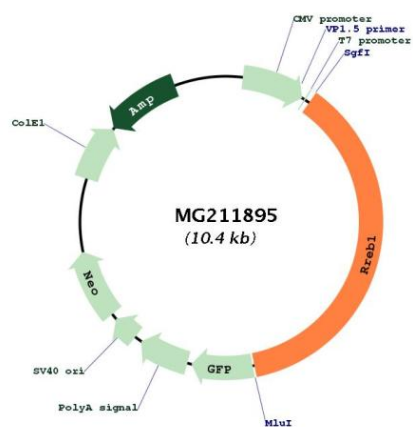


ACCN: BC080680

ORF Size: 3875 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:	BC080680 , AAH80680
RefSeq Size:	7288 bp
RefSeq ORF:	3875 bp
Locus ID:	68750
Cytogenetics:	13 A3.3
Gene Summary:	Transcription factor that binds specifically to the RAS-responsive elements (RRE) of gene promoters. May be involved in Ras/Raf-mediated cell differentiation by enhancing calcitonin expression. Represses the angiotensinogen gene. Negatively regulates the transcriptional activity of AR. Potentiates the transcriptional activity of NEUROD1 (By similarity). Binds specifically to the allelic variant of the CDKN2A promoter present in Balb/c mice, which leads to a down-regulation of CDKN2A expression in this strain, and, as a consequence, to an elevated susceptibility to pristane-induced tumors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211895