

Product datasheet for **MC224906**

Rreb1 (NM_001177869) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rreb1 (NM_001177869) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rreb1
Synonyms: 1110037N09Rik; AA414966; B930013M22Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224906 representing NM_001177869
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCGAATTCGCCATTGGTTTGAAGGCTCAGACCTGTCTCCATCAACACCATGATGTCAGCAG
TAATGAGCGTAGCGAGTGTACAGAGAATGGTGGGAGCCCCAGGGCATCAAGTCCCCATGAAACCTCC
AGGACCAATCGGATTGGCAGAAGGAACAGGAAACGAAAGAGGAGAAGTCTTCTACAACCTGTCCCTA
TGTGAAAAGATTTGCACCACCCAGCACCAGCTGACCATGCACATCCGTCAGCACAACACAGACACGGGAG
GAGCTGACCACGCATGCAGTATCTGTGGGAAGTCGCTGAGCTCGGCCAGCTCCCTGGATCGTCACATGCT
GGTGCACCTCTGGCGAGAGGCCTTACAAGTGTACAGTGTGTGGCCAGTCTTTCACCACCAATGGGAACATG
CACAGACATATGAAGATTCATGAGAAGGATACCAACAGTACTACAGCTGCAGCCCCTCCATCCCCTCTGA
AGCGCAGGCGGTTGTCTCCAAAAGGAAGCTGAGTCACGATGCCGAGTCAGAAGACCCAGGACCAGCTAA
AAAGATGGTAGAAGACGGGCAGTCAGGCGATTTGGACAAGATGAGCGATGAAATCTTTCAGTCCCGAGTG
TGTTTCAAGGAGTTTGTGTTGCAAGTATGAACTGGAGACCCACATGGAGACCCACTCAGATAACCCACTAA
GATGTGACATTTGCTGCGTCACCTTCCGCACACATCGAGGATGCTGCGCCACAATGCACCTGTCCACAA
GCAGCTTCCAGAGATGCCATGGGAAGACCTTTATCCAGAACAACCCCTTCGATTCTGCTGGCTTCCAT
GATTTAGGGTTTACTGACTTCTCCTGTAGGAAGTTTCTCGAATCTCTCAGGCCTGGTGTGAGACAACCC
TACGGCGGTGCATCAGCGAGCAGCACCGGTTTGTGTGACACCTGCGACAAGGGGTTCCCATGCTGTC
GTCACCTCATCCTGCACAGGCAGAGCCACATCCCTGCCGATCAGGGACGGGAGAAGCTCCAGACCAAGACC
CTGGCTGCCGAGTCTTGAACAGAAGGCCTTCTGGCCTTGCTGGCCTGCAGCACACCAAGACGTCAC
AGCCTGCCCGGGCGGAGGAGCTCCTGCCGACGACAACCAAGCAATACAGCTCCAGACACTTAAGTACCA
GCTACCTCAGGAGCCTGGCTGCCACCCGCTGCTGAGTGTGTCTCCTCTTGACGCTGCTTCTTAAAGTGGC
TCTCTGACAGTCTCCAGCTACCAAGGAGAATATGAAGCATCTGTCCCTGCAGCCCTTCCAGAAGGGCT
TCATCATCCAGCCAGACAGTAGCATTGTGGTTAAGCCTATTTTCAGGAGAGTCGGCCATTGAGCTGGCAGA
TATCCAACAGATTTCTAAAGATGGCAGCTCCGCTCCTCCGCAGATCAGTCTTCCGCCACTTTCAGAAGGCC
CCTGCCACCCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC



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GGACAGTGGTAGCCGCTCCACGCCCCACCTCTCATCAACGCCAGCAGGCATCTCCCGTTGTATCAG
 CCCCAGCCTTCCACAGTCCCTGAAGTTCCTCAAGGGTTCGGTGGAGGCAGTGTCCAATGTTTCTG
 TTTCAGTCCAAGTCTGGGATCCAGCCAAGCACCACACAGCTTCTCCTGCAGCAAGCTGGAGTGGAGT
 TGCCGGCCAGCCGAGATGAAGACACAGCTGGAACAAGAGATATCATTGAGGCCCTGTGCCCTCAA
 CATGGAGGCGAAGATCAAGCAGGAGATAACAGAAGGTGACCTCAAGGCCATCATGACAGGCCCCAGTGGC
 AAGAAGACCCCGCCATGCGCAAGGTGCTTACCCCTGCCGTTTGAACCAGGTGTTGCTTTCTCTG
 GAGTCTGCGAGCCACGTTGCTCCACCTGGGCATCACCCCTACCAATGCAACATCTGTGATATAT
 TGCTGCAGACAAAAGCCGCTGATCCGTACATCCGCACACACAGCGGGAAACGGCCTTACATCTGCAAG
 ATCTGCCACTACCCATTACGGTCAAAGCCAAGTGTGAGCGGCACCTGCGCAAGAAGCACCTCAAGGCCA
 CCAGGAAGGACATTGAGAAGAACATAGAGTACGTGAGCAGCCCCACGCAGAGCTGGTGGACGCTTCTG
 CGCCCCAGAGACCGTGTGCAGACTGTGCGGGGAGGATCTGAAGCACTACCGAGCTCTACGCATCCACATG
 CGCACACACTGCAGCCGGGGCTGGCGGCTGCCACAAAGGCCGAAACCCCTCGAGTGAAGGAATGCA
 ACGCTCCCTTCTGGCCAAGCGCAACTGCATCCATCACATCCTCAAGCAGCACCTGCACGTGCCCGAGAA
 GGACATCGAGAGTACGTGCTTGCACCAACAGTGGCCTCGGCCCGGGACACGCCACGGATGCCGCT
 TCCAGAGGAGAAGAGGGCAGCTGTGTCACTTTCGCGGAGTGAAGCCCTCGCCACTTCTGAGCCCC
 AAAATGGCTTCTTCACTCGAGCCCAACAGCCCTGCCTTCCACATCTCTGTCAAGCTGGAGCCAGC
 CAGCAGCTTGGCATGGACTTCAACGAACCCCTTGACTTTTCGAGAAAGGCTGGCACTGGTCCAAGT
 AAGCAGGAAAATGTTTCTCCTTGTGACGCTTCTCCTCCTCTGCCCTCTATGACTGCTCCATGGAGC
 CCATTGACCTGTCCATCCCAAGAGCGTCAAGAAAGGAGACAAGGACACAGTTGTTCCAGTGACGCCAA
 GAAACCGGAACCGAAGCTGGCAAGCCGAGCCGCTCTCACCCCGCCACCACCTGCCCTACCTTGTCA
 GTGACTGTGGAGCCAAAGGGGAGCCTGGAACCCCCACAGGCACGGTGGTGGCCGTACCCACAGCTGCCA
 AGCTAGAGCCCACTCAGCCCTCCAGGGCTCCGTGCAGCTGGCTGTCCCATCTACTCCCCGCGCT
 CGTCAGCAATACTCCCTCTTGGCAATTCTGCTGCCCTTTGAACAACCCAGCCTTGTCTCGCCCTTA
 CGGCCAAAAGCCCCCTCCTTTCGCAAAAGCCCTCGATGACAGAGGAGCTGCCGCCACTGGCCTCCATCG
 CCCAGATCATTTCTTCCGTGCTCAGGCCCTACTCTGCTGAAAACGAAGGTAGCTGACCTGGACCATC
 GATCACCAGCAGTAACTGTGGCCACAGACAGCCAGGAAGCTCCATCCCAAGCTGCCGCCACCCCC
 ACTGACACCACAAGCTCTAAGAATCCAGTGAGCCACCCCTGCAGCCAGCAGCCTGAGGAAGCCTTGC
 TACTGAACAAGGGCCGGCTGCCACTTCTCGTCGAGGAAGAGGGGAGGAAAAGGGGACTGAGAAAACCG
 GCCCTCCCAACAGCAGTGTGTGACCTGGACTCCAGTGGGGAGTTTGTAGCATCGAGAAGATGCTG
 GCCACCACAGATACCAACAAGTTAGTCCCTTCTGCAGACTGCAGAGGATGACTCAGGAAGAGGTGG
 CTGGAGCCCTGCCGACCAGCATGGGCCGCTGATGAGGAGCAAGGTAGCCCGCAGAAGACAGGCTGCT
 GAGAGCAAAGCGAAGCTCCTATGCCAAGTGCCTGCAAAAGATCAACTGTCCCACTGTCCCGGGTCTT
 CCTTGGGCCAGCTCCCTGCAGCGGCACATGCTTACACACTGGTCAGAAACCCCTCCCTTGTCAAAAAT
 GCGATGCCTTCTTTTCTACCAAATCTAACTGTGAGCGGCACAGTTGCGCAAAACAGGAGTTACCACCTG
 CTCCCTGAGAAGAAACGGGCTTATCCCCAAAAGAGAGTGATGTTGGATCCCATGATAGCACAGACAGC
 CAGTCAGACACAGACACGTTGACCACCCAGGTGAGGTGCTGGATCTCACAGCACAGGCTAAAGAGCAGC
 CGCCAGCAGAGGGAGCCAGTGAGATCAGTCCGGCTTACAGGACCTTGTATCAAAGAGGCCAAAGCAGC
 AGCAGCTCCCTCTGAGGAGGAGGAAGAAAAGGAGACAGAGGAGAACCAGAGCCAGAGGAAGAGTGTGCT
 GTGGAAGAGAGCACTGGGGCTGCAGATGCCCCCGAGGAAGACACAGCCAGCAACCAGAGCCTGGATCTTG
 ACTTCGCCACCAAGCTGATGGACTTCAAGCTGGCAGAGAGTGAGGCAGGCTCTGTGGACAGCCAAGGCC
 AGCCAGCAGGAGCCAAAGCATGCCTGCGATACCTGTGGAAGAAGTCAAGTCTTGGGACCCCTGAGT
 CGCCACAAGAAGGCACACAGCTGCCAGGAGCCGAAGGAGGAGGAAGCAGCGGCACCTTCTGAGGAAATG
 AGGGCGTTGGCAGAGCGTTGAGGGGCCCTCGCTTCCCTGAGCCTGAAGAGAAAACAGCCGAATCCCT
 AGCAATCGATCCAACACCAGGAACCAGGGAGGCCCTCAGTGGCGAAAACAGAAATGAAGAAAACAGAGGTCCC
 ACTGATGGGAAGGTACGGCTGAGAAGAGGGGTGACGGTGACAAAAGACCAAGACAGACTCCCCAAAA
 GCATGGCCAGTAAGGCAGACAAGAGGAAGAAGTTTGCAGTGTATGCAACAAGCGGTTCTGGTCCCTGCA
 GGACCTCACCCGGCACATGAGGTACACACAGGAGAAAGGCCATACAAGTGTGAGCCTGTGAGCGAACCC
 TTCACCTTAAAGCACAGCCTGGTTCGACACCAGAGGATCCACCAGAAAGCCAGGCACAGCAAGCACCACG
 GGAAAGACAGCGACAAGGATGAGCGGGCTGAGGAGGACAGTGAAGACAGTCCACCCACAGTGTACCAA
 CCCTGCCTCTGAGAATGAGGCCGAGTCACTCCAGCACCAGCAACCACGTAGCTGTACCAGGAGCCGG
 AAAGAGAGCTTGTCCACTTCTGGGAAGGAATGTAGCCAGAGGAGAGCCCGCAGCTGAGCAGGCAGCTG
 AGCCAGTGCCCCAAAGAGCAGGCGTCTCCAGGTGAAACAGACCCCAAGAGCCCGCAGCCATCGTGCA

AGACTTGCTGGAGCTGTGCGGCAAGAGGCTGCCCAATCCTGGCGGCCACCGACGGGGCTCACAGCTC
CTGGGCATGGAGTGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177869

Insert Size: 5265 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001177869.1](#), [NP_001171340.1](#)

RefSeq Size: 8403 bp

RefSeq ORF: 5265 bp

Locus ID: 68750

UniProt ID: [Q3UH06](#)

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]
Transcript Variant: This variant (6) has an alternate 3' sequence including the coding region, as compared to variant 2. The resulting isoform (2) has a much longer and different C-terminus, as compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.