

Product datasheet for **MC224158**

Rreb1 (NM_001039188) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rreb1 (NM_001039188) 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: >MC224158 representing NM_001039188
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGTCGAATTCGCCATTGGTTTGAAGGCTCAGACCTGTCTCCATCAACACCATGATGTCAGCAG
 TAATGAGCGTAGCGAGTGTACAGAGAATGGTGGGAGCCCCAGGGCATCAAGTCCCCCATGAAACCTCC
 AGGACCAATCGGATTGGCAGAAGGAACCAGAAACGAAAGAGGAGAAGTCTTCTACAACCTGTCCCTA
 TGTGAAAAGATTTGCACCACCCAGCACCAGCTGACCATGCACATCCGTCAGCACAACACAGACACGGGAG
 GAGCTGACCACGCATGCAGTATCTGTGGGAAGTCGCTGAGCTCGGCCAGCTCCCTGGATCGTCACATGCT
 GGTGCACTCTGGCGAGAGGCCTTACAAGTGTACAGTGTGTGGCCAGTCTTTCACCACCAATGGGAACATG
 CACAGACATATGAAGATTCATGAGAAGGATACCAACAGTACTACAGCTGCAGCCCCTCCATCCCCTCTGA
 AGCGCAGGCGGTTGTCTCCAAAAGGAAGCTGAGTCACGATGCCGAGTCAGAAGACCCAGGACAGCTAA
 AAAGATGGTAGAAGACGGGCAGTCAGGCGATTTGGACAAGATGAGCGATGAAATCTTTCAGTCCCGAGTG
 TGTTTCAAGGAGTTTGTGCAAGTATGAACTGGAGACCCACATGGAGACCCACTCAGATAACCCACTAA
 GATGTGACATTTGCTGCGTCACCTTCCGCACACATCGAGGATGCTGCGCCACAATGCACCTGTCCACAA
 GCAGTTCAGAGATGCCATGGGAAGACCTTTATCCAGAACAACCCCTTCGATTCTGCTGGCTTCCAT
 GATTTAGGGTTTACTGACTTCTCCTGTAGGAAGTTTCTCGAATCTCTCAGGCCTGGTGTGAGACAACCC
 TACGGCGGTGCATCAGCGAGCAGCACCGGTTTGTGTGACACCTGCGACAAGGGGTTCCCATGCTGTC
 GTCACCTCATCCTGCACAGGCAGAGCCACATCCCTGCCGATCAGGGACGGGAGAAGCTCCAGACCAAGACC
 CTGGCTGCCGAGTCTTGAACAGAAGGCCTTCTGGCCTTGCTGGCCTGCAGCACACCAAGACGTCAC
 AGCCTGCCCGGGCGGAGGAGCTCCTGCCGACGACAACCAAGCAATACAGCTCCAGACACTTAAGTACCA
 GCTACCTCAGGAGCCTGGCTGCCACCGTGCTGAGTGTGTCTCCTCTTGACGCTGCTTCTTTAGGTGGC
 TCTCTGACAGTCTCCAGCTACCAAGGAGAATATGAAGCATCTGTCCCTGCAGCCCTTCCAGAAGGGCT
 TCATCATCCAGCCAGACAGTAGCATTGTGGTTAAGCCTATTTTCAGGAGAGTCGGCCATTGAGCTGGCAGA
 TATCCAACAGATTCTAAAGATGGCAGCTCCGCTCCTCCGCAGATCAGTCTTCCGCCACTTTCAGAAGGCC
 CCTGCCACCCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC



GGACAGTGGTAGCCGCTCCACGCCCCACCTCTCATCAACGCCAGCAGGCATCTCCCGTTGTATCAG
 CCCCAGCCTTCTCCACAGTCCCTGAAGTTCCTCAAGGGTTCGGTGGAGGCAGTGTCCAATGTTTCATCTG
 TTTCAGTCCAAGTCTGGGATCCAGCCAAGCACCACACAGCTTCTCTGCAGCAAGCTGGAGTGGAGT
 TGCCGGGCCAGCCGAGATGAAGACACAGCTGGAACAAGAGATATCATTGAGGCCCTGTGCCCTCAA
 CATGGAGGCGAAGATCAAGCAGGAGATAACAGAAGGTGACCTCAAGGCCATCATGACAGGCCCCAGTGGC
 AAGAAGACCCCGCCATGCGCAAGGTGCTTACCCTGCCGTTTTGCAACCAGGTGTTTCTTTCTCTG
 GAGTCTGCGAGCCCACGTTCCGCTCCACCTGGGCATCTCACCTACCAATGCAACATCTGTGACTATAT
 TGCTGCAGACAAAGCCGCTGATCCGTACATCCGCACACACAGCGGGAAACGGCCTTACATCTGCAAG
 ATCTGCCACTACCCATTACGGTCAAAGCCAAGTGTGAGCGGCACCTGCGCAAGAAGCACCTCAAGGCCA
 CCAGGAAGGACATTGAGAAGAACATAGAGTACGTGAGCAGCCCCACGCAGAGCTGGTGGACGCTTCTG
 CGCCCCAGAGACCGTGTGCAGACTGTGCGGGGAGGATCTGAAGCACTACCGAGCTCTACGCATCCACATG
 CGCACACACTGCAGCCGGGGCTGGGCGGTGCCACAAAGGCCGAAACCTTCGAGTGAAGGAATGCA
 ACGCTCCCTTCGTGGCCAAGCGCAACTGCATCCATCACATCCTCAAGCAGCACCTGCACGTGCCCGAGAA
 GGACATCGAGAGTACGTGCTTGCCACCAACAGTGGCCTCGGCCCGCGGACACGCCACGGATGCCGCT
 TCCAGAGGAGAAGAGGGCAGCTGTGTCACTTTCCGGAGTGAAGCCCTCGCCACTTCTCTGGAGCCCC
 AAAATGGCTTTCTTCACTCGAGCCCCACCCAGCCCTGCCTTCCACATCTCTGTCAAGCTGGAGCCAGC
 CAGCAGCTTTGCCATGGACTTCAACGAACCCCTTGACTTTTCGAGAAAGGCCTGGCACTGGTCCAAGTG
 AAGCAGGAAAATGTTTCTCCTTGTGACGTCTTCTCCTCCTCTGCCCTCTATGACTGCTCCATGGAGC
 CCATTGACCTGTCCATCCCAAGAGCGTCAAGAAAGGAGACAAGGACACAGTTGTTCCAGTGACGCCAA
 GAAACCGGAACCGAAGCTGGGCAAGCCGAGCCGCTCTCACCCCGCCACCACCTGCCCTACCTTGTCA
 GTGACTGTGGAGCCCAAGGGGAGCCTGGAACCCCCACAGGCACGGTGGTGGCCGTACCACAGCTGCCA
 AGTAGAGCCCCACACTCAGCCCTCCAGGGCTCCGTGCAGCTGGCTGTCCCATCTACTCCCCGCGCT
 CGTCAGCAATACTCCCTCTTGGCAATTCTGCTGCCCTTTGAACAACCAGCCTTGTTCGGCCCTTA
 CGGCCAAAGCCCCCTCCTTTGCCAAAGCCCTCGATGACAGAGGAGCTGCCCCACTGGCCTCCATCG
 CCCAGATCATTTCTTCCGTGTCCTCGGCCCTACTCTGCTGAAAACGAAGGTAGCTGACCCTGGACCATC
 GATCACCAGCAGTAACTGTGGCCACAGACAGCCAGGAAGCTCCATCCCAAGCTGCCGCCACCCCC
 ACTGACACCACAAGCTCTAAAGAATCCAGTGAAGCACCCTGCAGCCAGCAGCCTGAGGAAGCCTTGC
 TACTGAACAAGGGCCGGCTGCCACTTCTCGTGAAGGAGAGGGGAGGAAAAGGGGACTGAGAAAACCG
 GCCCTCCCAACAGCAGTGTGTGGACCTGGACTCCAGTGGGGAGTTTGTAGCATCGAGAAGATGCTG
 GCCACCACAGATACCAACAAGTTAGTCCCTTTCTGCAGACTGCAGAGGATGACTCAGGAAGAGGTGG
 CTGGAGCCCTGCCGACCAGCATGGGCCGCTGATGAGGAGCAAGGTAGCCCGCAGAAGACAGGCTGCT
 GAGAGCAAAGCGGAACCTATGCAACTGCCTGCAAAAGATCAACTGTCCCACTGTCCCGGGTCTTC
 CCTTGGGCCAGCTCCCTGCAGCGGCACATGCTTACACACTGGTAAGAAGGCCCTCACGGCTCACCAGG
 CCGTGAGTCTTGAAGGAAAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001039188
- Insert Size:** 3876 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_001039188.1](#), [NP_001034277.1](#)

RefSeq Size: 7469 bp

RefSeq ORF: 3876 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 (2) encodes the functional protein. Variants 2-4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.