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# 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 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC224906 representing NM_001177869
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGTCGAATTCGCCCATTGGTTTAGAAGGCTCAGACCTGTCTTCCATCAACACCATGATGTCAGCAG
TAATGAGCGTAGCGAGTGTCACAGAGAATGGTGGGAGCCCCCAGGGCATCAAGTCCCCCATGAAACCTCC
AGGACCAAATCGGATTGGCAGAAGGAACCAGGAAACGAAAGAGGAGAAGTCTTCCTACAACTGTCCCCTA
TGTGAAAAGATTTGCACCACCCAGCACCAGCTGACCATGCACATCCGTCAGCACAACACAGACACGGGAG
GAGCTGACCACGCATGCAGTATCTGTGGGAAGTCGCTGAGCTCGGCCAGCTCCCTGGATCGTCACATGCT
GGTGCACTCTGGCGAGAGGCCTTACAAGTGTACAGTGTGTGGCCAGTCTTTCACCACCAATGGGAACATG
CACAGACATATGAAGATTCATGAGAAGGATACCAACAGTACTACAGCTGCAGCCCCTCCATCCCCTCTGA
AGCGCAGGCGGTTGTCCTCCAAAAGGAAGCTGAGTCACGATGCCGAGTCAGAAGACCCAGGACCAGCTAA
AAAGATGGTAGAAGACGGGCAGTCAGGCGATTTGGACAAGATGAGCGATGAAATCTTTCACTGCCCAGTG
TGTTTCAAGGAGTTTGTTTGCAAGTATGAACTGGAGACCCACATGGAGACCCACTCAGATAACCCACTAA
GATGTGACATTTGCTGCGTCACCTTCCGCACACATCGAGGACTGCTGCGCCACAATGCACTTGTCCACAA
GCAGCTTCCCAGAGATGCCATGGGAAGACCTTTTATCCAGAACAACCCTTCGATTCCTGCTGGCTTCCAT
GATTTAGGGTTTACTGACTTCTCCTGTAGGAAGTTTCCTCGAATCTCTCAGGCCTGGTGTGAGACAAACC
TACGGCGGTGCATCAGCGAGCAGCACCGGTTTGTGTGTGACACCTGCGACAAGGCGTTCCCCATGCTGTC
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AGCCTGCCCCGGCGGAGGAGCTCCTGCCGGACGACAACCAAGCAATACAGCTCCAGACACTTAAGTACCA
GCTACCTCAGGAGCCTGGCTGCCCCACCGTGCTGAGTGTGTCTCCTCTTGACGCTGCTTCTTTAGGTGGC
TCTCTGACAGTCCTCCCAGCTACCAAGGAGAATATGAAGCATCTGTCCCTGCAGCCCTTCCAGAAGGGCT
TCATCATCCAGCCAGACAGTAGCATTGTGGTTAAGCCTATTTCAGGAGAGTCGGCCATTGAGCTGGCAGA
TATCCAACAGATTCTAAAGATGGCAGCTTCCGCTCCTCCGCAGATCAGTCTTCCGCCACTTTCCAAGGCC
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CCTGCCACCCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC
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CCCCAGCCTTCCTCCACAGTCCCTGAAGTTCCTCAAGGGGTCGGTGGAGGCAGTGTCCAATGTTCATCTG
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TGCCGGGCCAGCCCGAGATGAAGACACAGCTGGAACAAGAGAGTATCATTGAGGCCCTGCTGCCCCTCAA
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AAGCAGGAAAATGTTTCCTCCTTGCTGACGTCTTCCTCCTCCTCTGCCCTCTATGACTGCTCCATGGAGC
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CTGGAGCCCCTGCCGACCAGCATGGGCCCGCTGATGAGGAGCAAGGTAGCCCCGCAGAAGACAGGCTGCT
GAGAGCAAAGCGGAACTCCTATGCCAACTGCCTGCAAAAGATCAACTGTCCCCACTGTCCCCGGGTCTTC
CCTTGGGCCAGCTCCCTGCAGCGGCACATGCTTACACACACTGGTCAGAAACCCTTCCCTTGTCAAAAAT
GCGATGCCTTCTTTTCTACCAAATCTAACTGTGAGCGGCACCAGTTGCGCAAACACGGAGTTACCACCTG
CTCCCTGAGAAGAAACGGGCTTATTCCCCCAAAAGAGAGTGATGTTGGATCCCATGATAGCACAGACAGC
CAGTCAGACACAGACACGTTGACCACCCCAGGTGAGGTGCTGGATCTCACAGCACAGGCTAAAGAGCAGC
CGCCAGCAGAGGGAGCCAGTGAGATCAGTCCGGCTTCACAGGACCTTGCTATCAAAGAGGCCAAAGCAGC
AGCAGCTCCCTCTGAGGAGGAGGAAGAAAAGGAGACAGAGGAGAACCCAGAGCCAGAGGAAGAGTGTCGT
GTGGAAGAGAGCACTGGGGCTGCAGATGCCCCCGAGGAAGACACAGCCAGCAACCAGAGCCTGGATCTTG
ACTTCGCCACCAAGCTGATGGACTTCAAGCTGGCAGAGAGTGAGGCAGGCTCTGTGGACAGCCAAGGCCC
AGCCCAGCAGGAGCCAAAGCATGCCTGCGATACCTGTGGAAAGAACTTCAAGTTCCTGGGCACCCTGAGT
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AGGGCGTTGGCAGAGCGGTTGAGGGGCCCTCGCCTTCCCCTGAGCCTGAAGAGAAACCAGCCGAATCCCT
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ACTGATGGGGAAGGTACGGCTGAGAAGAGGGGTGACGGTGACAAAAGACCAAAGACAGACTCCCCCAAAA
GCATGGCCAGTAAGGCAGACAAGAGGAAGAAGGTTTGCAGTGTATGCAACAAGCGGTTCTGGTCCCTGCA
GGACCTCACCCGGCACATGAGGTCACACACAGGAGAAAGGCCATACAAGTGTCAGACCTGTGAGCGAACC
TTCACCTTAAAGCACAGCCTGGTTCGACACCAGAGGATCCACCAGAAAGCCAGGCACAGCAAGCACCACG
GGAAAGACAGCGACAAGGATGAGCGGGCTGAGGAGGACAGTGAGGACGAGTCCACCCACAGTGCTACCAA
CCCTGCCTCTGAGAATGAGGCCGAGTCAGCTCCCAGCACCAGCAACCACGTAGCTGTCACCAGGAGCCGG
AAAGAGAGCTTGTCCACTTCTGGGAAGGAATGTAGCCCAGAGGAGAGAGCCGCAGCTGAGCAGGCAGCTG

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AGCCCAGTGCCCCCAAAGAGCAGGCGTCTCCAGGTGAAACAGACCCCCAGAGCCCGGCAGCCATCGTGCA
AGACTTGCTGGAGCTGTGCGGCAAGAGGCCTGCCCCAATCCTGGCGGCCACCGACGGGGCCTCACAGCTC
CTGGGCATGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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. |

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