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Product datasheet for MC229544

Rreb1 (NM_026830) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rreb1 (NM_026830) 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:

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>MC229544 representing NM_026830
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGTCGAATTCGCCCATTGGTTTAGAAGGCTCAGACCTGTCTTCCATCAACACCATGATGTCAGCAG
TAATGAGCGTAGCGAGTGTCACAGAGAATGGTGGGAGCCCCCAGGGCATCAAGTCCCCCATGAAACCTCC
AGGACCAAATCGGATTGGCAGAAGGAACCAGGAAACGAAAGAGGAGAAGTCTTCCTACAACTGTCCCCTA
TGTGAAAAGATTTGCACCACCCAGCACCAGCTGACCATGCACATCCGTCAGCACAACACAGACACGGGAG
GAGCTGACCACGCATGCAGTATCTGTGGGAAGTCGCTGAGCTCGGCCAGCTCCCTGGATCGTCACATGCT
GGTGCACTCTGGCGAGAGGCCTTACAAGTGTACAGTGTGTGGCCAGTCTTTCACCACCAATGGGAACATG
CACAGACATATGAAGATTCATGAGAAGGATACCAACAGTACTACAGCTGCAGCCCCTCCATCCCCTCTGA
AGCGCAGGCGGTTGTCCTCCAAAAGGAAGCTGAGTCACGATGCCGAGTCAGAAGACCCAGGACCAGCTAA
AAAGATGGTAGAAGACGGGCAGTCAGGCGATTTGGACAAGATGAGCGATGAAATCTTTCACTGCCCAGTG
TGTTTCAAGGAGTTTGTTTGCAAGTATGAACTGGAGACCCACATGGAGACCCACTCAGATAACCCACTAA
GATGTGACATTTGCTGCGTCACCTTCCGCACACATCGAGGACTGCTGCGCCACAATGCACTTGTCCACAA
GCAGCTTCCCAGAGATGCCATGGGAAGACCTTTTATCCAGAACAACCCTTCGATTCCTGCTGGCTTCCAT
GATTTAGGGTTTACTGACTTCTCCTGTAGGAAGTTTCCTCGAATCTCTCAGGCCTGGTGTGAGACAAACC
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GTCACTCATCCTGCACAGGCAGAGCCACATCCCTGCCGATCAGGGACGGGAGAAGCTCCAGACCAAGACC
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AGCCTGCCCCGGCGGAGGAGCTCCTGCCGGACGACAACCAAGCAATACAGCTCCAGACACTTAAGTACCA
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TCTCTGACAGTCCTCCCAGCTACCAAGGAGAATATGAAGCATCTGTCCCTGCAGCCCTTCCAGAAGGGCT
TCATCATCCAGCCAGACAGTAGCATTGTGGTTAAGCCTATTTCAGGAGAGTCGGCCATTGAGCTGGCAGA
TATCCAACAGATTCTAAAGATGGCAGCTTCCGCTCCTCCGCAGATCAGTCTTCCGCCACTTTCCAAGGCC
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CCTGCCACCCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC
GGACAGTGGTAGCCGCCTCCACGCCCCCACCTCTCATCAACGCCCAGCAGGCATCTCCCGGTTGTATCAG
CCCCAGCCTTCCTCCACAGTCCCTGAAGTTCCTCAAGGGGTCGGTGGAGGCAGTGTCCAATGTTCATCTG
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AAGAAGACCCCCGCCATGCGCAAGGTGCTCTACCCCTGCCGCTTTTGCAACCAGGTGTTTGCTTTCTCTG
GAGTCCTGCGAGCCCACGTTCGCTCCCACCTGGGCATCTCACCCTACCAATGCAACATCTGTGACTATAT
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AAAATGGCTTTCTTCACTCGAGCCCCACCCAGCCCCTGCCTTCCCACATCTCTGTCAAGCTGGAGCCAGC
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CGTCAGCAATACTCCCCTCTTGGGCAATTCTGCTGCCCTCTTGAACAACCCAGCCTTGCTTCGGCCCTTA
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GATCACCAGCAGTAACACTGTGGCCACAGACAGCCCAGGAAGCTCCATCCCCAAAGCTGCCGCCACCCCC
ACTGACACCACAAGCTCTAAAGAATCCAGTGAGCCACCCCCTGCAGCCAGCAGCCCTGAGGAAGCCTTGC
CTACTGAACAAGGGCCGGCTGCCACTTCCTCGTCGAGGAAGAGGGGCAGGAAAAGGGGACTGAGAAACCG
GCCCCTCCCCAACAGCAGTGCTGTGGACCTGGACTCCAGTGGGGAGTTTGCTAGCATCGAGAAGATGCTG
GCCACCACAGATACCAACAAGTTCAGTCCCTTTCTGCAGACTGCAGAGGATGACACTCAGGAAGAGGTGG
CTGGAGCCCCTGCCGACCAGCATGGGCCCGCTGATGAGGAGCAAGGTAGCCCCGCAGAAGACAGGCTGCT
GAGAGCAAAGCGGAACTCCTATGCCAACTGCCTGCAAAAGATCAACTGTCCCCACTGTCCCCGGGTCTTC
CCTTGGGCCAGCTCCCTGCAGCGGCACATGCTTACACACACTGGTAAGAAGGCCCTCACGGCTCACCAGG
CGGTGAGTCTTGAAAGGAAAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_026830
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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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_026830.2, NP_081106.1
RefSeq Size:	7437 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 (3) differs in the 5' UTR compared to variant 2. Variants 2-4 encode the functional 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.

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