

Product datasheet for **MR219806**

Rreb1 (NM_001177868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rreb1 (NM_001177868) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rreb1
Synonyms:	1110037N09Rik; AA414966; B930013M22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219806 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCGAATTCGCCATTGGTTTAGAAGGCTCAGACCTGTCTCCATCAACACCATGATGTCAGCAG
TAATGAGCGTAGCGAGTGTACAGAGAATGGTGGGAGCCCCAGGGCATCAAGTCCCCCATGAAACCTCC
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CCTGCCACCCGCTGCAGGCGATTTTCAAGCACATGCCTCCTTTGAAGCCAAAGCCCTTGGTCACACCCC
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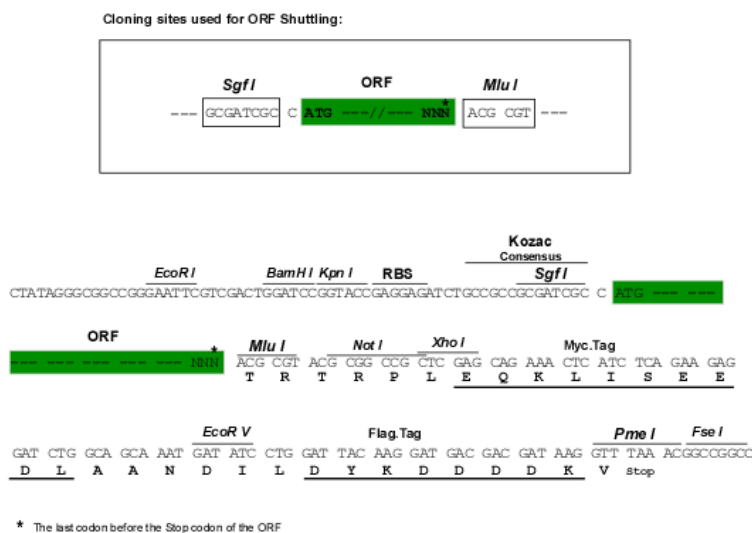
Protein Sequence: >MR219806 protein sequence
Red=Cloning site Green=Tags(s)

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CEKICTTQHQLTMHIRQHNTDTGGADHACSICGKSLSSASSLDRHMLVHSGERYPYKCTVCQGQSF TTNGNM
HRHMKIHEKDTNSTTAAAPPSPLKRRRLSSKRKLSHDAESEDPGPAKMMVEDGQSGDLDKMSDEIFHCPV
CFKEFVCKYELETHMETHSDNPLRCDICCVTFRTHRGLLRHNALVHKQLPRDAMGRPFIQNNPSIPAGFV
DLGFTDFSCRKFPRISQAWCETNLRRICSEQHRFVCDTCDKAFPM LSSLILHRQSHIPADQGREKLQTKT
LAAESLEQAKFALLGLQHTKDVKPAPAEELL PDDNQAIQLQTLKYQLPQEPGCPTVLSVSPLDAASLGG
SLTVLPATKENMKHLSLPQFQKGFIIQPDSSIVVKPISGESAIELADIQQLKMAASAPPQISLPPLSKA
PATPLQAIKFHMPPLPKPLVTPRTVVAASTPPPLINAQQASPGCISPSPQPQLKFLKGSVEAVSNVHL
LQSKSGIQPSTTTQLFLQQAGVELPGQPEMKTQLEQESIIEALLPLNMEAIKIQEITEGDLKAIMTGP SG
KKTAMPARKVLYPCRFCNQVFAFSGVLRAHVRSHLGISPYQCNICDYIAADKAALIRHIRTHSGERP YICK
ICHYPFTVKANCERHLRKKHLKATRKDIEKNI EYVSSPTAELVDAFCAPETVCRLCGEDLKHYRALRIHM
RTHCSRGLGGCHKGRKPFCECKECPNAPFAVRNCIHHILKQHLHVPEKDIESYVLATNSGLGPADTP TDA
SRGEEGSCVTF AECKPLATFLEPQNGFLHSSPTQPLPSHISVKLEPASSFAMDFNEPLDFSQKGLALVQV
KQENVSSLLTSSSSSALYDCSMEPIDLSIPKSVKKGDKD TVVPSDAKKPEPEAGQAEPLSPRPPPCPTLS
VTVEPKGSLETPGTGTVAVTTAAKLEPHTQPLQGSVQLAVPIYSPALVSNTPLLGNSAALLNNPALLRPL
RPKPPLLLPKPMSMTEELLPLASIAQIISVSSAPTLLKTKVADPGPSITSSNTVATDSPGSSIPKAAATP
TDTTSSKESSPEPPAASSPEEALPTEQGAAPTSSSRKRGRKRLNRPLPNSSAVDL DSSGEFASIEKML
ATDTNKFSPFLQTAEDDTQEEVAGAPADQHGPADEEQGSPAEDRLLRAKRN SYANCLQKINCPHCPRV
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Restriction Sites: SgfI-MluI

Cloning Scheme:

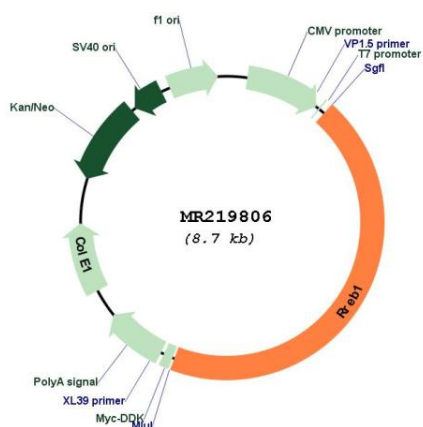


ACCN: NM_001177868

ORF Size: 3873 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001177868.1 , NP_001171339.1
RefSeq Size:	7198 bp
RefSeq ORF:	3876 bp
Locus ID:	68750
UniProt ID:	Q3UH06
Cytogenetics:	13 A3.3
MW:	140.2 kDa
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 MR219806