

Product datasheet for **SC329367**

RREB1 (NM_001168344) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RREB1 (NM_001168344) Human Untagged Clone
Tag:	Tag Free
Symbol:	RREB1
Synonyms:	FINB; HNT; LZ321; RREB-1; Zep-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168344, the custom clone sequence may differ by one or more nucleotides

ATGACGTCAAGTTCGCCCGCTGGCTTGAAGGTTACAGACCTATCTTCCATCAACACCATG
 ATGTCGCGCGTTCATGAGTGTAGGGAAGGTCACAGAGAATGGCGGGAGCCCCAGGGGATC
 AAGTCCCCCTCGAAGCCTCCAGGACCAATCGGATTGGCAGAAGGAACAGGAAACGAAA
 GAGGAGAAGTCTTCTATAACTGCCCCCTGTGTGAGAAGATTTGCACTACCCAGCACCAG
 CTGACCATGCACATTCGCCAGCACAAACACAGACACTGGAGGAGCCGACCACTCATGCAGC
 ATCTGCGGAAAGTCACTGAGCTCGGCCAGCTCCCTCGATCGCCACATGCTGGTGCATCT
 GGCGAGAGGCCTTACAAGTGCATGTGTGTGGCCAGTCATTTACCACCAATGGGAACATG
 CACAGACATATGAAGATCCATGAGAAGGACCCTAACAGTGCCACAGCCACAGCCCCTCCA
 TCTCCTCTGAAACGTAGGCGATTGCTCTCAAGAGGAACTGAGTCACGATGCCGAGTCA
 GAGAGAGAAGACCCAGCACCAGCTAAAAAGATGGTAGAAGACGGGCAGTCAGGTGACTTG
 GAGAAGAAAGCTGATGAAGTCTTCACTGCCCAGTATGTTTCAAGGAGTTTGTGTTGCAAG
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 TGTGTACCTTTTGAACACATCGAGGACTGCTGCGTCACAACGCGCTTGTCCACAAACAA
 CTTCCAGGGATGCAATGGGCAGACCTTTCATACAGAACAAACCTTCAATTCTGCTGGC
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 TGGTGCGAAACAAACCTGCGGAGGTGCATCAGCGAGCAACACCGTTTTGTCTGCGACACC
 TGTGACAAGGCGTTCCCATGCTCTGCTCACTGGCTCTGCACAAGCAGACCCATGTGGCG
 GCAGACCAGGGTCAAGAAAAGCCGAGGCCACGCCCTGCCTGGTGACGCCCTGGACCAAG
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 GAGGAGCCCTGCCGGATGACAACAGGCAATTACGCTCCAGACACTCAAGTGTGAGCTA
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 GGCGGTTCTCTCACAGTCTCTCCCGCGACCAAGGACAGCATAAAGCACCTGTCCCTGCAG
 CCCTTCCAGAAGGGCTTCATCATCCAGCCTGACAGCAGCATTGTGGTCAAGCCCATCTCT
 GGCGAGTCGGCCATCGAGCTGGCAGACATCCAGCAAATTCTGAAGATGGCAGCCTCGGCT
 CCCCTCAGATCAGTCTTCGCGCTTCTCAAGGCCCTGCCGCCCACTGCAGGCGATC



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TTCAAGCACATGCCCCCTCTGAAGCCAAAGCCCCCTGGTCACACCACGGACGGTGGTGGCC
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 AGCCTGCCGCCACCGCCCCCTGAAGCTCCTCAAAGGCTCAGTGGAGGCGGCTCCAACGCC
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 CAGCCGCGGGCGAGCTGCCGGGCCAGCCTGAGATGAAGACGCAGCTGGAGCAGGACAGC
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 ACTGAGGAGAGCACTGGGGACGCCGACGGCGCGGAAGAGGACGCGTCGAGCAACCAGAGC
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 AAGGACGAGAAGGGAGATGGCGCCAGCACTGCAGAGGAGGGGGCCAGCCCGCCCTGAA
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 GAGGCCCGCGCGAAAAGCTCGCGGAGGAGACGGAGGGCCCTCCGACGGGGAGAGCGCG
 GCCGAGAAAAGGTCCTCAGAGAAGAGCGACGATGACAAGAAACCAAGACAGACTCCCCC
 AAAAGCGTGGCCAGCAAGGCAGACAAGGAAGAAGGTCTGCAGCGTGTGCAACAAGCGG
 TTCTGGTGCCTGCAGGACCTGACCCGGCACATGCGCTCCACACAGGGGAAAGGCCATAC

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AAATGTCAGACCTGCGAGCGAACCTTCACCTTGAAGCACAGCCTGGTTCGCCACCAGCGG
ATCCACCAGAAAGCCAGGCATGCCAAACACCACGGGAAGGACAGCGACAAGGAAGAGCGG
GGTGAGGAGGACAGCGAGAATGAGTCCACCCACAGCGGCAACAACGCCGTCTCAGAGAAC
GAGGCTGAGCTGGCTCCCAATGCCAGCAACCACATGGCTGTACCCGGAGCCGGAAGGAG
GGCTTGCCAGTGCCACCAAGGACTGCAGCCACAGGGAGGAGAAGGTCACGGCAGGGTGG
CCGTCTGAGCCTGGCCAGGGTGACCTTAACCCAGAGAGCCGGCGGCCCTGGGGCAGGAC
CTGCTGGAGCCGCGCAGCAAGAGGCCTGCCACCCAATCCTGGCCACAGCTGATGGCGCC
TCCCAGCTCGTGGGGATGGAGTGA

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Restriction Sites:	Please inquire
ACCN:	NM_001168344
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001168344.1, NP_001161816.1</u>
RefSeq Size:	8532 bp
RefSeq ORF:	5064 bp
Locus ID:	6239
UniProt ID:	<u>Q92766</u>
Cytogenetics:	6p24.3

Gene Summary:

The protein encoded by this gene is a zinc finger transcription factor that binds to RAS-responsive elements (RREs) of gene promoters. It has been shown that the calcitonin gene promoter contains an RRE and that the encoded protein binds there and increases expression of calcitonin, which may be involved in Ras/Raf-mediated cell differentiation. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 3 both encode isoform 2. 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.