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Product datasheet for RC221059

RREB1 (NM_001003699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RREB1 (NM_001003699) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RREB1
Synonyms:	FINB; HNT; LZ321; RREB-1; Zep-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC221059 representing NM_001003699
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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TCATGAGTGTAGGGAAGGTCACAGAGAATGGCGGGAGCCCCCAGGGGATCAAGTCCCCCTCGAAGCCTCC
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AAGGCCCCTGCCGCCCCACTGCAGGCGATCTTCAAGCACATGCCCCCTCTGAAGCCAAAGCCCCTGGTCA
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Protein Sequence:

>RC221059 representing NM_001003699
Red=Cloning site Green=Tags(s)

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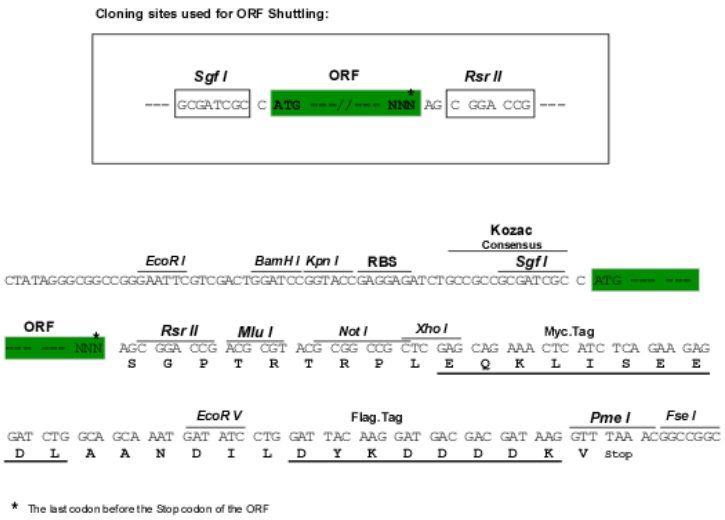
SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_a11.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001003699

ORF Size: 5226 bp

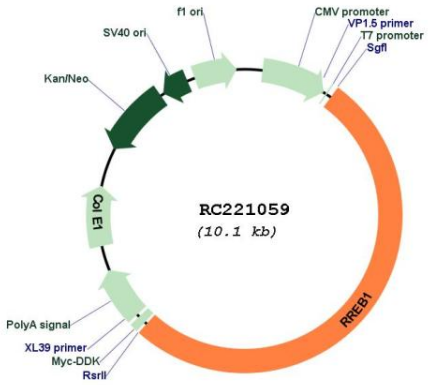
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

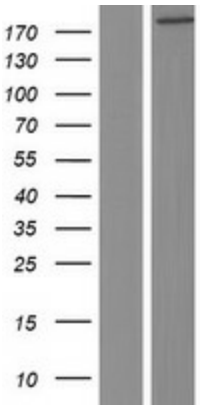
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001003699.4
RefSeq Size:	7535 bp
RefSeq ORF:	5229 bp
Locus ID:	6239
UniProt ID:	Q92766
Cytogenetics:	6p24.3
MW:	187.4 kDa
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]

Product images:



Circular map for RC221059



Western blot validation of overexpression lysate (Cat# [LY423986]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221059 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).