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Product datasheet for RC230731

RGNEF (ARHGEF28) (NM_001177693) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGNEF (ARHGEF28) (NM_001177693) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGNEF
Synonyms:	p190RHOGEF; RGNEF; RIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC230731 representing NM_001177693
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC230731 representing NM_001177693
Red=Cloning site Green=Tags(s)

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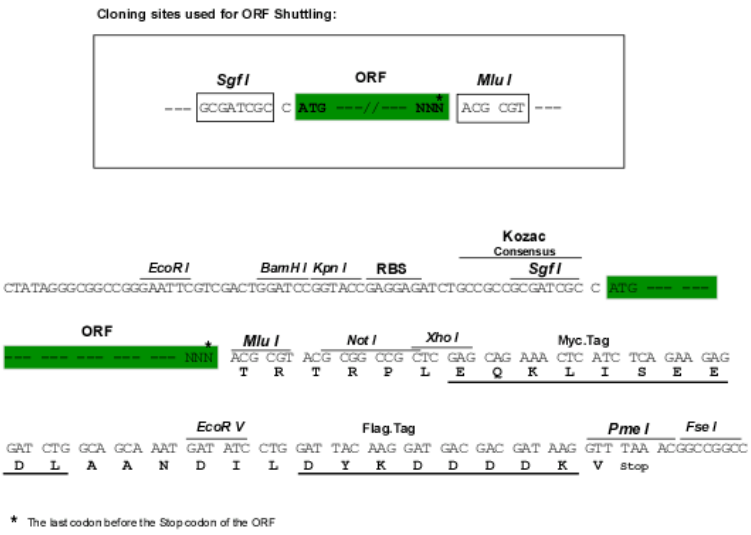
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177693

ORF Size: 5115 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_001177693.1, NP_001171164.1

RefSeq ORF: 5118 bp

Locus ID: 64283

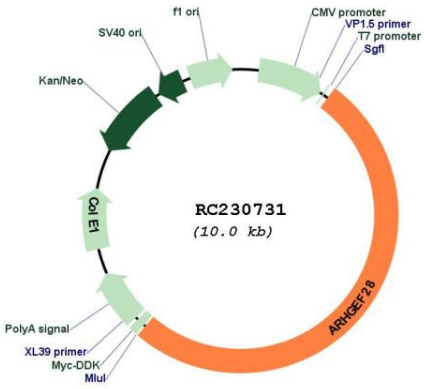
UniProt ID: Q8N1W1

Cytogenetics: 5q13.2

MW: 192.3 kDa

Gene Summary: This gene encodes a member of the Rho guanine nucleotide exchange factor family. The encoded protein interacts with low molecular weight neurofilament mRNA and may be involved in the formation of amyotrophic lateral sclerosis neurofilament aggregates. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]

Product images:



Circular map for RC230731