

Product datasheet for RC228682

RAGEF2 (RAPGEF6) (NM_001164387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAGEF2 (RAPGEF6) (NM_001164387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAGEF2
Synonyms:	KIA001LB; PDZ-GEF2; PDZGEF2; RA-GEF-2; RAGEF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228682 representing NM_001164387 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGAACTCACCCGTGGACCCTGGCGCTAGGCAGGCGTTGAGGAAGAAGCCACCCGAGCGGACTCCCAGG
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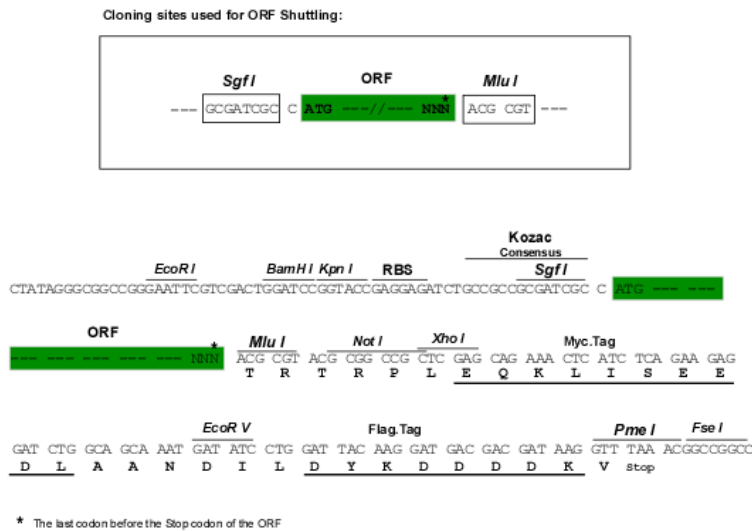
Protein Sequence: >RC228682 representing NM_001164387
Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

Cloning Scheme:

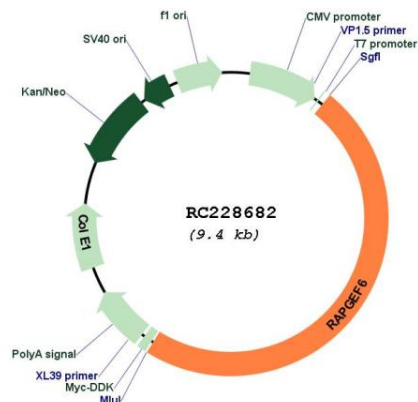


ACCN: NM_001164387

ORF Size: 4527 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:	<ol style="list-style-type: none">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_001164387.2
RefSeq ORF:	4530 bp
Locus ID:	51735
UniProt ID:	Q8TEU7
Cytogenetics:	5q31.1
MW:	169.3 kDa
Gene Summary:	Guanine nucleotide exchange factor (GEF) for Rap1A, Rap2A and M-Ras GTPases. Does not interact with cAMP.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228682