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Product datasheet for RC231474

RIPOR1 (NM_001193522) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPOR1 (NM_001193522) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RIPOR1
Synonyms:	FAM65A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC231474 representing NM_001193522
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTCCCTGTCGGTGCGGCCGCAGCGCCGTCTGCTCAGCGCCCGGGTCAATAGGAGCCAGTCCTTCG
CAGGCGTCCTCGGCAGCCACGAGCGGGGGCCCAGCCTCTCCTTCAGGAGTTTCCCGGTCTTCAGCCCGCC
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AAGGTGCCGCAGCCCGAGCGGCTGGACCTGGTGTACACGGCGCTGAAGCGGGGCCTGACGGCCTACTTGG
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AGCAAGATCGATGAGCTGTATGAGGCATACTGTGTCCAGCGGCGTCTCCGGGATGGTGCCTACAACATGG
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CATGGAGAGCACCCCAGTCCTGTTCCTCCTGCCCTGGACCCTGGCCACTCTGCCACAAGCTCTACCCTCG
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Protein Sequence:

>RC231474 representing NM_001193522
Red=Cloning site Green=Tags(s)

MMSLSVRPQRRLLSARVNRSQSFAGVLGSHERGPSLSFRSFPVFSPPGPPRKPPALSRVSRMFSVAHPAA
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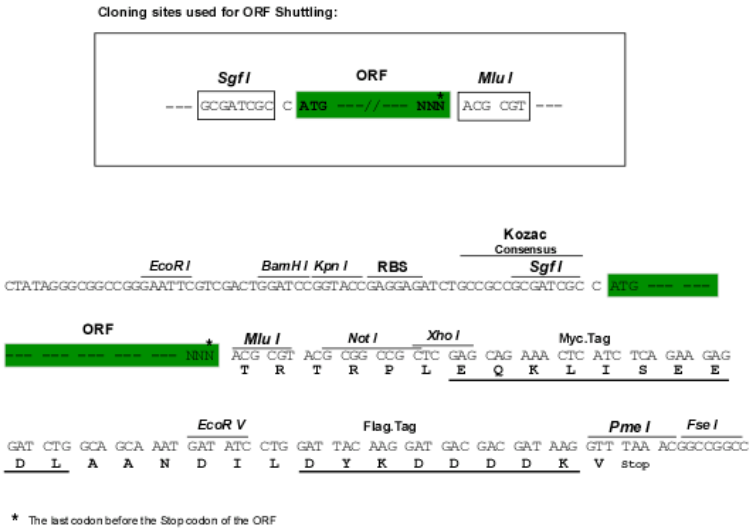
Restriction Sites: SgfI-MluI

Cloning Scheme:

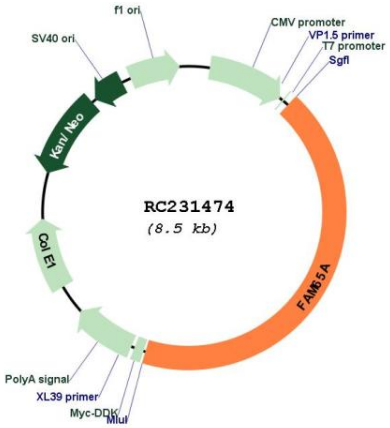


ACCN: NM_001193522

ORF Size: 3669 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_001193522.2
RefSeq ORF:	3672 bp
Locus ID:	79567
UniProt ID:	Q6ZS17
Cytogenetics:	16q22.1
MW:	132.8 kDa
Gene Summary:	Downstream effector protein for Rho-type small GTPases that plays a role in cell polarity and directional migration (PubMed:27807006). Acts as an adapter protein, linking active Rho proteins to STK24 and STK26 kinases, and hence positively regulates Golgi reorientation in polarized cell migration upon Rho activation (PubMed:27807006). Involved in the subcellular relocation of STK26 from the Golgi to cytoplasm punctae in a Rho- and PDCD10-dependent manner upon serum stimulation (PubMed:27807006).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231474