

Product datasheet for **RR217535**

Rab11fip1 (NM_001191555) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab11fip1 (NM_001191555) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab11fip1
Synonyms: Rab11-FIP1; RGD1562965
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217535 representing NM_001191555
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTCCCTGGCGCCTCAGCGGGCCGGGCCCCGGGACTATGTGGTCCCCTACGCACGTACAGGTGACGG
TGCTACAGGCACGAGGCCTGCGGGCCAAGGGTCCCGGGGCACGAGCGACGCGTACGCGGTGATCCAGGT
GGGCAAGGAGAAGTACGCCACGTCCGGTGTCCGAGCGCAGCCTGGGCGCGCCCGTGTGGCGGAGGAAGCC
ACCTTCGAGCTGCCGCCCTCTGTCTCCGGGACCGCGCCCGCCGCGCCGCCACCTGCAACTCA
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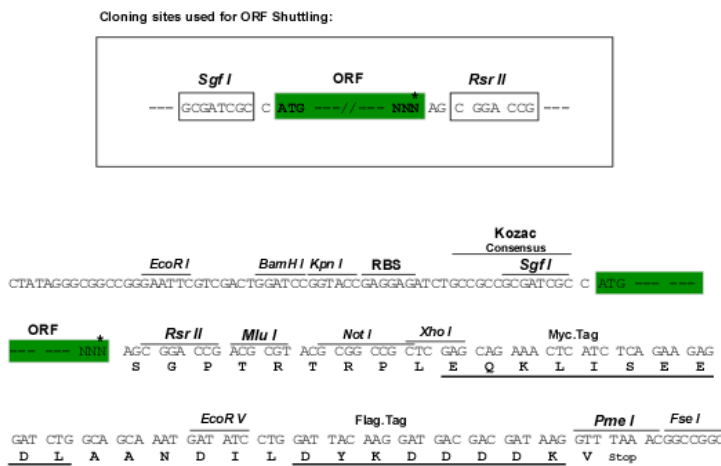
Protein Sequence: >RR217535 representing NM_001191555
 Red=Cloning site Green=Tags(s)

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 ERGEIEVDIQFMRNNMTASMFDSLMDKSRNPFGLKDKIKGKNKDNTSDTASAIVPSTTPSVSDDES
 SKDKKKKSKIKTLF SKPSLQKTPLSQSMSVLPTSKPDKVLLRPGDFQSRWGEDGNEDESSASEVMSQK
 RTSSTDHTQPNQSNFSLPKKEGLSFLGGLRSKNDSLRSNVCINGNHVYMEQPEAKSEIRESSPSNSPSP
 QGFRKRHLFSSTENLAARSPKEPGE GGGMSDRRLSDSSTKDSMKSMLPSYRPLTTADSREGLSPANME
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 FAFLSSSAQAPVLSDLRCDSETQFSESPSASSFSSPLAAPISTSTPVEHWPTDKGEADAEPSSLLRAI
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 HWALGGMTTATSPVQEEEAASSFHSVRPKHQEMHQNASGGQRKAKKRVSFSEQLFVEEETEGPTWLEEGD
 KGHPQQLSQEGPVASSMPSAGSPESPHTEGTGQEPVTISSESESFLEGPQSEASPARGTQLLRDEKDDLM
 APCQSKASDHGLLSNPLSDLPASDLSPIMADLSLPSIPEVASDDERFDETDGGGKGARLADLEAG
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 TVDEEKLKSGRPGSPLDSPVRSPLAETFPATHSFPGPSSTHTHTVAESQKQATADVSSNRVENFGK
 KKPLLQAWTPSEIHPVPAQPSAGAGAAKHRHPVKPMNTTAPKITNSSLGTATII SENLINEALMKKYQ
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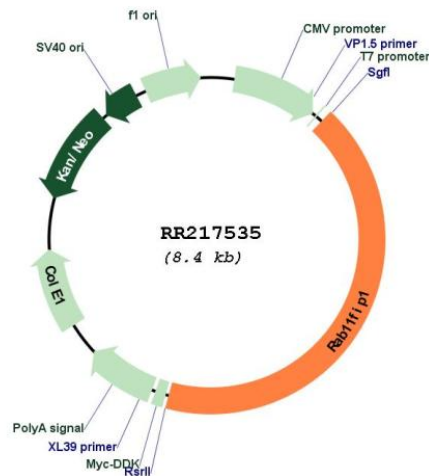
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001191555

ORF Size: 3567 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.

RefSeq: [NM_001191555.1](#), [NP_001178484.1](#)

RefSeq Size: 7848 bp

RefSeq ORF: 3570 bp

Locus ID: 498650

UniProt ID: [Q3B7T9](#)

Cytogenetics: 16q12.3

MW: 127.8 kDa

Gene Summary: A Rab11 effector protein involved in the endosomal recycling process. Also involved in controlling membrane trafficking along the phagocytic pathway and phagocytosis (By similarity).[UniProtKB/Swiss-Prot Function]