

Product datasheet for MR226060

Rab11fip2 (NM_001164367) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11fip2 (NM_001164367) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab11fip2
Synonyms:	4930470G04Rik; A830046J09Rik; AW558126; Nrip11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226060 representing NM_001164367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGAACAACATGACAGCAAGCATGTTTGACTTGTCATGAAGGACAAGACGAGATCACCTTTTGCAA
AATTAAGATAAGATGAAAGGGAGGAAAGCGACGGGTGTTTTCTGATACGTCCTCTGCCATCGTTCC
GAGCACTCACATGCCTGATGCCAATCCTGAGTTTTCAAGTGGTGAATGCAGATGAAATCCAAACCAAAA
AAGCCTTTCTTTGGGTCCTCAGCGGCTCTTCTGCCATTGATGTCTGATTTAACTGGTCCCCT
TATCTTCTGAGAAGCTGAAGTCCAGCACTGTGGTCCAACACATCTTCTCAGTCGCCAGATAGATTCCTT
TGGAGTTGTTCCAGAAAGTGAAAGTCTCAAGTCTCCACACAGACGAACACTAAGCTTTGATCTTCTAAA
TTGAACCAACCTGGCAGCATTGTGGATGAAGGTGAACACTCTTTTGAAGACAGAGTGACCCATTTACAA
ATGTGACTGCTTCATTACCCAAAAATTTGCAACACTGCCAAGGAAGAAGATCCATTTGAAGAAAGCAG
TGAGCCATGGGACAGCAGCATGAATTTATTCTCAAACCAATTGAAGTCAGGAAAGAAAGTAAGAGAGAG
AAAAGGGAGAAGGTGAGCCTCTTTGAAAGAGTGACTGGCAAGAGAGATAGCAGGAGACCTGACAAGCTGA
ACAATGGTGGATCTGATAGCCATGTGACTTGAATCACCTAGTGCTTTTAGTAAAACCGGCAGGACTA
TTTTGAATATGAGTCAACTAACCCGTTTACAGCAAAATTCAGGGCTTCACTATAATGCCATCTTCAAGT
TTTCATGTGAATCCAACAAGCAGTGAAGACCTCAGGAAAATCCCGGACAACAATCCTTTTCGATGCCACGG
CTGGGTACCGGAGTCTGACCTACGAAGAGGTGCTGCAGGAGCTGGTGAAGCACAAAGAAGTCTTCGGAG
GAAGGACACCCATATCCGGGAGCTAGAGGACTACATTGACAACCTCCTCGTCAGGGTGATGGAAGAGACA
CCCAGCATCTGCGAGTGCCCTACGAGCCATCCAGAAAAGCTGGCAAGTTCACCAATAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226060 representing NM_001164367
Red=Cloning site Green=Tags(s)

MRNNMTASMFDL SMKDKTRSPFAKLKDKMKGRKSDGVFSDTSSAIVPSTHMPDANPEFSSGEMQMKSKPK
 KPFLLPQRLSSAHSMSDLTGSLSSEKLKSSVTGPTHLLSRQIDSFVVPEESGLKSPHRRTLSFDTSK
 LNQPISIVDEGEHSFGRQSDPFTNVTASLPQKFATLPRKKNPFEESSPEWSSMNLFSKPIEVRKESKRE
 KREKVSLEFERTGKRDSRRPDKLNNGGSDSPCDLKSPSAFSENQDYFEYESTNPF TAKFRASIMPSSS
 FHVNPTSSEDLRKIPDNNPFDATAGYRSLTYEEVLQELVKHKELLRRKDTHIRELEDYIDNLLVVRMEET
 PSILRVPYEPSRKAGKFTNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164367

ORF Size: 1110 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_001164367.1](#), [NP_001157839.1](#)

RefSeq Size: 5373 bp

RefSeq ORF: 1113 bp

Locus ID: 74998

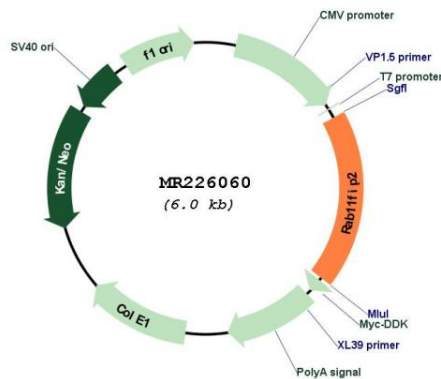
UniProt ID: [G3XA57](#)

Cytogenetics: 19 D3

MW: 42.2 kDa

Gene Summary: A Rab11 effector binding preferentially phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and phosphatidic acid (PA) and acting in the regulation of the transport of vesicles from the endosomal recycling compartment (ERC) to the plasma membrane. Involved in insulin granule exocytosis. Also involved in receptor-mediated endocytosis and membrane trafficking of recycling endosomes, probably originating from clathrin-coated vesicles. Required in a complex with MYO5B and RAB11 for the transport of NPC1L1 to the plasma membrane. Also acts as a regulator of cell polarity. Plays an essential role in phagocytosis through a mechanism involving TICAM2, RAC1 and CDC42 Rho GTPases for controlling actin dynamics.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226060