

Product datasheet for **MC217617**

Rab11fip2 (NM_001033172) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11fip2 (NM_001033172) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab11fip2
Synonyms:	4930470G04Rik; A830046J09Rik; AW558126; Nrip11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217617 representing NM_001033172
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCTGTCTGAGCAAGCCAAAAGTGGTTTCCAACCCACGTGCAGGTCACAGTGCTCCAAGCTAAAG
 ATCTGAAGCCAAAAGGCCAAAAGTGGTACCAATGACACATACACCATAATTCAGTTGGGCAAAGAGAAGTA
 TTCTACATCTGTAGCAGAGAAAACCTGGAGCCGGTCTGGAAGGAGGAGGCCTCCTTTGAGCTGCCTGGG
 TTGCTCATGCAGGGTAGTCCGGAGAAAATACATTCTTTTCTTATAGTGATGCACAGGTCCTGGTGGGAC
 TGGATAAGTTTTAGGGCAGGTGGCAATCAATCTCAATGACATCTTTGAGGACAAACAAAGAAGGAAAAC
 AGAGTGGTTTAGATTAGAATCCAAACAAGGAAAAAGAATAAAAAACAGGGGTGAGATAAAGGTCAATATT
 CAATTTATGAGGAACAACATGACAGCAAGCATGTTTGACTTGCAATGAAGGACAAGACGAGATCACCTT
 TTGCAAAATTAAGATAAAGATGAAAGGGAGGAAAAGCGACGGGGTGTCTGATACGCTCTGCCAT
 CGTTCCGAGCACTCACATGCCTGATGCCAATCCTGAGTTTCAAGTGGTAAAATGCAGATGAAATCCAAA
 CCAAAAAAGCCTTTCTTTGGTCTCAGCGGCTCTCTTCTGCCATTGATGTCTGATTAACCTGGGT
 CCCACTTATCTTCTGAGAAGCTGAAGTCCAGCACTGTGGGTCCAACACATCTTCTCAGTCGCCAGATAGA
 TTCCTTTGGAGTTGTTCCAGAAAGTGAAGTCTCAAGTCTCCACACAGACGAACACTAAGCTTTGATACT
 TCTAAATTGAACCAACCTGGCAGCATTGTGGATGAAGGTGAACACTCTTTTGAAGACAGAGTGACCCAT
 TTACAAATGTGACTGCTTATTACCCCAAAAATTTGCAACACTGCCAAGGAAGAAGAAATCCATTTGAAGA
 AAGCAGTGAGCCATGGGACAGCAGCATGAATTTATTCTCAAACCAATTGAAGTCAGGAAAGAAAGTAAG
 AGAGAGAAAAGGGAGAAGGTGAGCCTCTTTGAAAGAGTGACTGGCAAGAGAGATAGCAGGAGACCTGACA
 AGCTGAAACAATGGTGGATCTGATAGCCCATGTGACTTGAATCACCTAGTGCTTTTAGTGAAAACCGGCA
 GGACTATTTTGAATATGAGTCAACTAACCCGTTTACAGCAAAAATTCAGGGCTTCAACTATAATGCCATCT
 TCAAGTTTTATGTGAATCCAACAAGCAGTGAAGACCTCAGGAAAATCCCGGACAACAATCCTTTGATG
 CCACGGCTGGGTACCGGAGTCTGACCTACGAAGAGGTGCTGCAGGAGCTGGTGAAGCACAAAGAACTCCT
 TCGGAGGAAGGACACCCATATCCGGGAGCTAGAGGACTACATTGACAACCTCCTCGTCAGGGTGTGGAA
 GAGACACCCAGCATCCTGCGAGTGCCCTACGAGCCATCCAGAAAAGCTGTATACACCCAGGACCCTTGT
 CACCCGGGCCACCCACCTCTGTGGAGAAGCTACTTCAACCCACTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033172

Insert Size: 1590 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001033172.3](#), [NP_001028344.2](#)

RefSeq Size: 5304 bp

RefSeq ORF: 1590 bp

Locus ID: 74998

UniProt ID: [G3XA57](#)

Cytogenetics: 19 D3

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]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.