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Product datasheet for MC211574

Rab11fip2 (NM_001164367) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11fip2 (NM_001164367) 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)
Fully Sequenced ORF:	>MC211574 representing NM_001164367 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGGAACAACATGACAGCAAGCATGTTTGACTTGTCAATGAAGGACAAGACGAGATCACCTTTTGCAA AATTAAAAGATAAGATGAAAGGGAGGAAAAGCGACGGGGTGTTTTCTGATACGTCCTCTGCCATCGTTCC GAGCACTCACATGCCTGATGCCAATCCTGAGTTTTCAAGTGGTGAAATGCAGATGAAATCCAAACCAAAA AAGCCTTTTCTTTTGGGTCCTCAGCGGCTCTCTTCTGCCCATTCGATGTCTGATTTAACTGGGTCCCACT TATCTTCTGAGAAGCTGAAGTCCAGCACTGTGGGTCCAACACATCTTCTCAGTCGCCAGATAGATTCCTT TGGAGTTGTTCCAGAAAGTGGAAGTCTCAAGTCTCCACACAGACGAACACTAAGCTTTGATACTTCTAAA TTGAACCAACCTGGCAGCATTGTGGATGAAGGTGAACACTCTTTTGGAAGACAGAGTGACCCATTTACAA ATGTGACTGCTTCATTACCCCAAAAATTTGCAACACTGCCAAGGAAGAAGAATCCATTTGAAGAAAGCAG TGAGCCATGGGACAGCAGCATGAATTTATTCTCAAAACCAATTGAAGTCAGGAAAGAAAGTAAGAGAGAG AAAAGGGAGAAGGTGAGCCTCTTTGAAAGAGTGACTGGCAAGAGAGATAGCAGGAGACCTGACAAGCTGA ACAATGGTGGATCTGATAGCCCATGTGACTTGAAATCACCTAGTGCTTTTAGTGAAAACCGGCAGGACTA TTTTGAATATGAGTCAACTAACCCGTTTACAGCAAAATTCAGGGCTTCAACTATAATGCCATCTTCAAGT TTTCATGTGAATCCAACAAGCAGTGAAGACCTCAGGAAAATCCCGGACAACAATCCTTTCGATGCCACGG CTGGGTACCGGAGTCTGACCTACGAAGAGGTGCTGCAGGAGCTGGTGAAGCACAAAGAACTCCTTCGGAG GAAGGACACCCATATCCGGGAGCTAGAGGACTACATTGACAACCTCCTCGTCAGGGTGATGGAAGAGACA CCCAGCATCCTGCGAGTGCCCTACGAGCCATCCAGAAAAGCTGGCAAGTTCACCAATAGCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

View online »

ACCN:	NM_001164367
Insert Size:	1113 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001164367.1, NP_001157839.1
RefSeq Size:	5373 bp
RefSeq ORF:	1113 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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. This variant also contains an alternate segment in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter than 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.