

Product datasheet for **MC215866**

Rab11fip3 (NM_153140) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11fip3 (NM_153140) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab11fip3
Synonyms:	Cart1; D030060O14Rik; mKIAA0665; Rab11-FIP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215866 representing NM_153140
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTCTGAGAGCACCTACAGTGAGTGTGAGACCTTCACAGATGAGGACACCAGCACCTGGTGACC
 CCGAGCTGCAGCCTGAAGGGGACGTGGACAGTGTGGTGGCTCAGGGGTGCCCTCTGAGTGCCTGGACAC
 CATGGAGGAGCCTGACCATGGTGCATTGCTGCTGCCAGGCAGATCCCCCCCCACAGCCAAGCTGTC
 GTCATGGTGATTGGCAGTGAGGAACATTTGAAGATTATGGTGAGGGCAATGAGGCAGAAGTATCCCCGG
 AGACCCTCTGCGATGGGGACGGGAGGACCCTGCTTTTCTCACCCCCAGCCAGCCAAGCGGCTCTCCAG
 CAGGAAGGTGGCAAGGTATCTGCACCAGTCGGGGACCCTGACTATGGAGGCCCTGGAGGACCCTCCCCCA
 GAGCCTGTGGAGTGCCAGAGGAGGACATTGCAGACAAGGTCATTTCTAGAGAGACGGGTGTCAGAGC
 TGGAGAAGGACAGTGCAGCTGCTGGCGAGCAGCATGGCAGGCTGAGGCAAGAAAACCTCCAGCTGGTGCA
 CAGAGCCAATGCCTTGGAAAGCAGCTGAAGGAACAGGAGTTCAGAGCCCAAGAGAAGGTCTAGAAGAA
 ACCAGGAAGCAGAAGGAACCTTGTGTCAAGATGGAGCGTGAGAAGAGCATTGAGATCGAGAACCTGCAGG
 CCAGGTTGCAGCAGCTGGATGAGGAGAACAGTGAGCTGCGGTCTGCACACCCTGTCTGAAGGCCAACAT
 CGAGCGCCTTGAGGAGGAGAAGCAGAAGATGCTGGATGAGATTGAGGAGTTGACACAGCGGCTCAGTGAG
 GAACAGGAGAATAAGAGGAAAATGGGGACAGGCTGAGCCATGAGCGGCACCAATTCAGAGAGACAAGG
 AAGCAACCCAGGAGCTGATCGAGGACCTCCGCAAGCAGCTAGAACATCTACAGCTCTCAGACTGGAGGT
 GGAGCAGCGACGGGGCCGAGCAGCAGCCTGGGCTGCAGGAGTACAACAGCCGTGCACGGGAGAGCGAG
 CTGGAGCAGGAGGTCCGACAGCTCAAACAGGACAACCGTAACCTGAAGGAGCAAAATGATGAGCTAAATG
 GGCAGATCATCACCTCAGCATCCAGGGTGCCAAGAGCCTTTCTCCACGTCTTTCTCAGAATCACTGGC
 TGCAGAAATCAGCTCTGTCTCCCGAGATGAGCTCATGGAAGCAATCCAGAGCAGGAGGAGATCAATTTT
 CGCCTGCAGGACTACATTGACAGGATCATTGTGGCCATCCTGGAGACCAACCCATCCATCTAGAGGTCA
 AGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_153140
- Insert Size:** 1335 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_153140.2](#), [NP_694780.1](#)

RefSeq Size: 3271 bp

RefSeq ORF: 1335 bp

Locus ID: 215445

UniProt ID: [Q8CHD8](#)

Cytogenetics: 17 A3.3

Gene Summary: Acts as a regulator of endocytic traffic by participating in membrane delivery. Required for the abscission step in cytokinesis, possibly by acting as an 'address tag' delivering recycling endosome membranes to the cleavage furrow during late cytokinesis (By similarity). Also required for the structural integrity of the endosomal recycling compartment during interphase. Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) has a distinct 5' UTR and lacks many exons of the 5' coding region, compared to variant 1, that results in a protein (isoform c) that starts from an internal methionine, compared to isoform a.