

## Product datasheet for MC223376

### Rab11fip3 (NM\_001162868) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab11fip3 (NM\_001162868) 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  
**Fully Sequenced ORF:** >MC223376 representing NM\_001162868  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCTGTGCCAGCCGACCTCCCTGTCAGACCAGCAGCCAGCGTCTGGGCCCCAGCGTGGGGTCA  
 TGGGGCTGGTGGGCCCCAGCCTCCTCGCGGCTGGTCAAGAGCCGAGGAACACGCCAGCTTCAACG  
 GTGGCCAGAGGGACCAACGCGCAATCTGCTGGCCCCAGGAGGTAGAGGAGCCTCACGCTCCTAGTCGC  
 TGGGCCAAGAGCCCAATGCCCTCGCTGCTCGTCCCAGGAGCCCGATGAATCCTGTCACTTGGCAGAGG  
 AGCTGGAGGAATCCGACTCCCCTCGCTGCTGGCCCCAGGAGCCAGACACACCGTGCCACTTGGCCAAGGA  
 GTTGGAGGAACCCGACGCCCCCTCGCTGCCTGCCCCAGGAGCCGACACACCGTGCTACTTGGCCAAGAG  
 CTAGAGGAACCCAACATCCCTCGGTGCTGGCCCCAGGAGCCGACGTCGCGTGCCACTTGGCCAAGGAGC  
 TAGAGGAACCCGACGCCCCCTCGCTGCTGGCCCCAGGAACCAGACGCATTCTGTCACTTGTCAAGGAGGT  
 GGAGGAACCTGATGCCCTTCGCTGCTGGCTTCAAGGGCCAGACGCACCGTGCCACTTGGCCAAGGAACTG  
 GAGGACCTCGACTCCCCTCGCTGCTGGCCCCAGGAGCCGACGAATCCTGTCACTTGGCTAAGGAGCTGG  
 AGGAACCAGACGCACCGTGCCACTTAGCCAAAAGCTGGAGGAACCCGACGCCCTCGCTGCTGGCCCCA  
 GGAGCCCGACGTGCCCTGTCTTTGGCCAAAAGTGGGAGGAATCCGACGCACCGTGCCTCTTGACGGAG  
 GAGCTGGAAGAGCCTGACGCCCTTCACTGCTGGCCCCAGGAGTCAAGGACCGTGTGTTGTTGGCCAAGG  
 AGCTAGAAGAGCCTGATGCCTCTCACAGCTGTCCTCAGGAGGCGGACACAGGGTGCCTCTCGGCCAAGGA  
 GCCAGAGGAGCCTGATGTCTCTCACCTGTGGCAGGGGGTACCCGATGCACCGTGCCTCTTGGTCAAGGAA  
 CCAGAGGAGGCCGATGCACTTCACTGTTGTTGGCCCCAGGAATCCGAGGAGCCGGATGCTCTCAACCCAC  
 CGTGTCTTCTGGCCAATGAACCAGACGAGCCCGATCCATCACGATGTTGGTCAAGGAGCCCGAGGTGCT  
 GTGCTCTGGCCGAGGAGCAGAACACAAAGCGGTGCTGGCAGGAAGAGCCCGATGCACCCCTGCTTCTGG  
 CCCGAGGATCGAGAGGAACCCATAGTTTCTGTCTTCAATTTAAAGAGCCAGAGAAGCCCAAAGTCCGGA  
 GCAGTTGGCCTGAGGAGCTGGAAGACTGCTGCCCTACGCGGGGCCACCCCTTGAGCCCTTGTCTCGCCGA  
 CGGCGAGCTGCTGACGGCATGTCCCGGGCCACCCTCGGACCCAGGACCAGCGTTGTGCTGCCACGCGAG  
 CCCGGACAGCTCAGGAGGGGTGCACGCCTCAGGGCGGATTTGACGCCCTGGACAGAGATGGGGACG



GCTTCGTCGGCATCGAGGATTCATCCAATTCGCCACGGTCTATGGGGCAGAGCAGGTGAAGGACTTAAC  
 TCAGTACCTGGACCCGAGTGGGCTTGGCGTAATCAGCTTTGAAGATTTCTACCAAGGATTGTAGCCATC  
 AGAAATGGAGATCCTGATGGCCAGTTGTACAGCGTGGAGCCTGTCCAAGATGAAGAGACCCTGCCTGTG  
 CCGATGAGTTTGACGACTTTGTACCTATGAGGCCAACGAGGTGACAGACAGTGCATATATGGGGTCTGA  
 GAGCACCTACAGTGAGTGTGAGACCTTCACAGATGAGGACACCAGCACCCCTGGTGCACCCGAGCTGCAG  
 CCTGAAGGGGACGTGGACAGTGTGGTGGCTCAGGGGTGCCCTCTGAGTGCCTGGACACCATGGAGGAGC  
 CTGACCATGGTGCATTGCTGCTGCCAGGCAGATCCCGCCCCACAGCCAAGCTGTGTCATGGTGAT  
 TGGCAGTGAGGAACATTTTGAAGATTATGGTGAGGGCAATGAGGCAGAAGCTATCCCCGGAGACCCTCTGC  
 GATGGGGACGGCAGGACCCTGCTTTTCTACCCCCAGCCAGCCAAGCGGCTCTCCAGCAGGAAGGTGG  
 CAAGGTATCTGCACCAGTCGGGGACCCTGACTATGGAGGCCCTGGAGGACCCTCCCCAGAGCCTGTGGA  
 GTGCCAGAGGAGGACATTGCAGACAAGGTCTCTTCTAGAGAGACGGGTGTGAGAGCTGGAGAAGGAC  
 AGTGCAGTGTGGCAGCAGCATGGCAGGCTGAGGCAAGAAAACCTCCAGCTGGTGCACAGAGCCAATG  
 CCTTGAAGAGCAGCTGAAGGAACAGGAGTTCAGAGCCCAAGAGAAGTCTAGAAGAAACCAGGAAGCA  
 GAAGGAACCTCTGTGCAAGATGGAGCGTGAGAAGAGCATTGAGATCGAGAACCTGCAGGCCAGTTGCAG  
 CAGCTGGATGAGGAGAACAGTGAAGTGCCTGCACACCCTGTCTGAAGGCCAACATCGAGCGCCTTG  
 AGGAGGAGAAGCAGAAGATGCTGGATGAGATTGAGGAGTTGACACAGCGGCTCAGTGAGGAACAGGAGAA  
 TAAGAGGAAAATGGGGGACAGGCTGAGCCATGAGCGGCACCAATTCAGAGAGACAAGGAAGCAACCCAG  
 GAGCTGATCGAGGACCTCCGCAAGCAGCTAGAACATCTACAGCTCCTCAGACTGGAGGTGGAGCAGCGAC  
 GGGGCCGAGCAGCAGCCTGGGCTGCAGGAGTACAACAGCCGTGCACGGGAGAGCGAGCTGGAGCAGGA  
 GGTCCGCAGACTCAAACAGGACAACCGTAACCTGAAGGAGCAAAATGATGAGCTAAATGGGCAGATCATC  
 ACCCTCAGCATCCAGGGTGCCAAGAGCCTTCTCCACGTCTTCTCAGAATCACTGGCTGCAGAAATCA  
 GCTCTGTCTCCCGAGATGAGCTCATGGAAGCAATCCAGAAGCAGGAGGAGATCAATTTCCGCCTGCAGGA  
 CTACATTGACAGGATCATTGTGGCCATCCTGGAGACCAACCCATCCATCCTAGAGGTCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001162868

**Insert Size:**

3144 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\_001162868.1, NP\_001156340.1
**RefSeq Size:**

4880 bp

**RefSeq ORF:**

3144 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 (2) lacks an in-frame exon, compared to variant 1, that results in a shorter protein (isoform b), compared to isoform a.