

Product datasheet for MC223521

Rab11fip3 (NM_001162869) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab11fip3 (NM_001162869) 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: >MC223521 representing NM_001162869
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGTGCCAGCCGACCTCCCTGTCAGACCAGCAGCCAGCGTCTGGGCCCCAGCGTGGGGTCA
 TGGGGCTGGTGGGGCCCCAGCCTCCTCGCGGCTGGTCAAGAGCCCGAGGAACACGCCAGCTTCAACG
 GTGGCCAGAGGGACCAACGCGCAATCTGCTGGCCCCAGGAGGTAGAGGAGCCTCACGCTCCTAGTCGC
 TGGGCCAAAGAGCCCAATGCCCTCGCTGCTCGTCCCAGGAGCCCGATGAATCCTGTCACTTGGCAGAGG
 AGCTGGAGGAATCCGACTCCCCTCGCTGCTGGCCCCAGGAGCCAGACACACCGTGCCACTTGGCCAAGGA
 GTTGGAGGAACCCGACGCCCTCGCTGCCTGCCCCAGGAGCCGACACACCGTGCTACTTGGCCAAGAG
 CTAGAGGAACCCAACATCCCTCGGTGCTGGCCCCAGGAGCCCGACGTCGCGTGGCCAAGGAGC
 TAGAGGAACCCGACGCCCTCGCTGCTGGCCCCAGGAGCCAGACGATTCTGTCACTTGTCAAGGAGGT
 GGAGGAACCTGATGCCCTTCGCTGCTGGCTTCAAGGGCCAGACGACCGTGCCACTTGGCCAAGGAACTG
 GAGGACCTCGACTCCCCTCGCTGCTGGCCCCAGGAGCCCGACGAATCCTGTCACTTGGCTAAGGAGCTGG
 AGGAACCCAGACGACCGTGCCACTTAGCCAAAGAGCTGGAGGAACCCGACGCCCTCGCTGCTGGCCCCA
 GGAGCCCGACGTCGCTCTTTGGCCAAAAGTGGGAGGAATCCGACGACCGTGCCTCTTGACGGAG
 GAGCTGGAAGAGCCTGACGCCCTTCACTGCTGGCCCCAGGAGTCAAGGACCGTGTGGTGGCCAAGG
 AGCTAGAAGAGCCTGATGCCTCTCACAGCTGTCCTCAGGAGGCGGACACAGGGTGCCTCTCGGCCAAGGA
 GCCAGAGGAGCCTGATGTCTCTCACCTGTGGCAGGGGGTACCCGATGCACCGTGCCTCTTGGTCAAGGAA
 CCAGAGGAGGCCGATGCACTTCACTGTTGTTGGCCCCAGGAAATCCGAGGAGCCGGATGCTCTCAACCCAC
 CGTGTCTTCTGGGCAATGAACAGACGAGCCCGATCCATCACGATGTTGGTCAAGGAGCCCGAGGTGCT
 GTGCTCTGGCCGAGGAGCAGAACACAAAGCGGTGCTGGCAGGAAGAGCCCGATGCACCTGCTTCTGG
 CCCGAGGATCGAGAGGAACCCATAGTTTCTGTCTTCAATTTAAAGAGCCAGAGAAGCCAAAGTCCGGA
 GCAGTTGGCTGAGGAGCTGGAAGACTGCTGCCCTACGCGGGGCCACCCCTTGAGCCCTTGTCTCGCCGA
 CGGCGAGCTGCTGACGGCATGTCCCGGGCCACCCTCGGACCCAGGACCAGCGTTGTGCTGCCAGCGAG
 CCCGGGACAGCTCAGGAGGGGTGCACGCCTCAGGGCGGATTTGACGCCCTGGACAGAGATGGGGACG



GCTTCGTCGGCATCGAGGATTTTCATCCAATTCGCCACGGTCTATGGGGCAGAGCAGGTGAAGGACTTAAC
 TCAGTACCTGGACCCGAGTGGGCTTGGCGTAATCAGCTTTGAAGATTTCTACCAAGGATTGTAGCCATC
 AGAAATGGAGATCCTGATGGCCAGTTGTACAGCGTGGAGCCTGTCCAAGATGAAGAGACCCTGCCTGTG
 CCGATGAGTTTGACGACTTTGTACCTATGAGGCCAACGAGGTGACAGACAGTGCATATATGGGGTCTGA
 GAGCACCTACAGTGAGTGTGAGACCTTCACAGATGAGGACACCAGCACCCCTGGTGCACCCGAGCTGCAG
 CCTGAAGGGGACGTGGACAGTGTGGTGGCTCAGGGGTGCCCTCTGAGTGCCTGGACACCATGGAGGAGC
 CTGACCATGGTGCATTGCTGCTGCCAGGCAGATCCCGCCCCACAGCCAAGTGTGCTCATGGTGAT
 TGGCAGTGAGGAACATTTTGAAGATTATGGTGAGGGCAATGAGGCAGAACTATCCCCGGAGACCCTCTGC
 GATGGGGACGGCAGGACCCTGCTTTTCTACCCCCAGCTCCAACCCCTTTCCTCAAAGCTGTGCGACG
 TCCTCACTGACGAGGCCCTTTGAGTTTTACTGTAGCCAGTGCCATAAACAGATCAACCGCCTTGAGGATCT
 GTCTGCCCGCCTGACTGATCTTGAGATGAATAGCCAGCCAAGCGGCTCTCCAGCAGGAAGTGGCAAGG
 TATCTGCACCAGTCGGGGACCCTGACTATGGAGGCCCTGGAGGACCCTCCCCAGAGCCTGTGGAGTGCC
 CAGAGGAGGACATTGCAGACAAGGTCATCTTCTAGAGAGACGGGTGTCAGAGCTGGAGAAGGACAGTGC
 AGCTGCTGGCGAGCAGCATGGCAGGCTGAGGCAAGAAAACCTCCAGCTGGTGCACAGAGCCAATGCCTTG
 GAAGAGCAGCTGAAGGAACAGGAGTTTCCAGGCCAAGAGAAGGTCTAGAAGAAACCAGGAAGCAGAAGG
 AACTTCTGTGCAAGATGGAGCGTGAGAAGAGCATTGAGATCGAGAACCTGCAGGCCAGGTTGCAGCAGCT
 GGATGAGGAGAACAGTGAGCTGCGGTCTGCACACCCTGTCTGAAGGCCAACATCGAGCGCCTTGAGGAG
 GAGAAGCAGAAGATGCTGGATGAGATTGAGGAGTTGACACAGCGGCTCAGTGAGGAACAGGAGAATAAGA
 GGAAAAATGGGGGACAGGCTGAGCCATGAGCGGCACCAATTCAGAGAGACAAGGAAGCAACCCAGGAGCT
 GATCGAGGACCTCCGCAAGCAGCTAGAACATCTACAGCTCCTCAGACTGGAGGTGGAGCAGCGACGGGGC
 CGCAGCAGCAGCTGGGCTGCAGGAGTACAACAGCCGTGCACGGGAGAGCGAGCTGGAGCAGGAGGTCC
 GCAGACTCAAACAGGACAACCGTAACCTGAAGGAGCAAAATGATGAGCTAAATGGGCAGATCATCACCT
 CAGCATCCAGGGTGCCAAGAGCCTCTTCCACGCTTTTCTCAGAATCACTGGCTGCAGAAATCAGCTCT
 GTCTCCCGAGATGAGCTCATGGAAGCAATCCAGAAGCAGGAGGAGATCAATTTCCGCTGCAGGACTACA
 TTGACAGGATCATTGTGGCCATCCTGGAGACCAACCCATCCATCCTAGAGGTCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162869
- Insert Size:** 3279 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_001162869.1](#), [NP_001156341.1](#)

RefSeq Size: 5015 bp

RefSeq ORF: 3279 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 (1) represents the longest transcript and encodes the longest isoform (a).