

Product datasheet for **MG216069**

Rab11fip3 (NM_153140) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11fip3 (NM_153140) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab11fip3
Synonyms:	Cart1; D030060O14Rik; mKIAA0665; Rab11-FIP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216069 representing NM_153140
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGTCTGAGAGCACCTACAGTGAGTGTGAGACCTTCACAGATGAGGACACCAGCACCCCTGGTGACC
 CCGAGCTGCAGCCTGAAGGGGACGTGGACAGTGCCTGGTGCTCAGGGGTGCCCTCTGAGTGCCTGGACAC
 CATGGAGGAGCCTGACCATGGTGCATTGCTGCTGCTCCCAGGCAGATCCCCCCCCACAGCCAAGCTGTC
 GTCATGGTGATTGGCAGTGAGGAACATTTTGAAGATTATGGTGAGGGCAATGAGGCAGAATAATCCCCGG
 AGACCCTCTGCGATGGGACGGCGAGGACCCTGCTTTTCTCACCCCAGCCAGCCAAGCGGCTCTCCAG
 CAGGAAGTGGCAAGGTATCTGCACCAGTCGGGGACCCTGACTATGGAGGCCCTGGAGGACCCTCCCCCA
 GAGCCTGTGGAGTCCCAGAGGAGGACATTGCAGACAAGTTCATCTTCTAGAGAGACGGGTGTGAGAGC
 TGGAGAAGGACAGTGCAGCTGCTGGCGAGCAGCATGGCAGGCTGAGGCAAGAAAACCTCCAGCTGGTGCA
 CAGAGCCAATGCCTTGAAGAGCAGCTGAAGGAACAGGAGTTCAGAGCCAAGAGAAGGTCTAGAAAGAA
 ACCAGGAAGCAGAAGGAATTCGTGCAAGATGGAGCGTGAGAAGAGCATTGAGATCGAGAACCTGCAGG
 CCAGGTTGCAGCAGCTGGATGAGGAGAACAGTGAGCTGCGGTCTGCACACCCTGTCTGAAGGCCAACAT
 CGAGCGCCTTGAGGAGGAGAAGCAGAAGATGCTGGATGAGATTGAGGAGTTGACACAGCGGCTCAGTGAG
 GAACAGGAGAATAAGAGGAAAATGGGGACAGGCTGAGCCATGAGCGGCACCAATTCAGAGAGACAAGG
 AAGCAACCCAGGAGCTGATCGAGGACCTCCGCAAGCAGCTAGAACATCTACAGCTCTCAGACTGGAGGT
 GGAGCAGCGACGGGGCCGAGCAGCAGCCTGGGCTGCAGGAGTACAACAGCCGTGCACGGGAGAGCGAG
 CTGGAGCAGGAGGTCCGAGACTCAAACAGGACAACCGTAACCTGAAGGAGCAAAATGATGAGCTAAATG
 GGCAGATCATCACCTCAGCATCCAGGTTGCCAAGAGCCTTTTCTCCACGTCTTTCTCAGAACTACTGGC
 TGCAGAAATCAGCTCTGTCTCCGAGATGAGTCATGGAAGCAATCCAGAAGCAGGAGGATCAATTTTC
 CGCTGCAGGACTACATTGACAGGATCATTGTGGCCATCCTGGAGACCAACCCATCCATCCTAGAGGTCA
 AG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216069 representing NM_153140
 Red=Cloning site Green=Tags(s)

MGSESTYSECETFTDEDSTLVHPELQPEGDVDSAGGSGVPSECLDTMEEPDHGALLLLPGRSRPHSQAV
 VMVIGSEEHFEDYGEAEELSPETLCDGDGEDPAFLTPSPAKRLSSRKVARYLHQSGTLTMEALEDPPP
 EPVECPPEEDIADKVIIFLERRVSELEKDSAAAGEQHGRRLQENLQLVHRANALEEQLEKEQFRAQEKVLEE
 TRKQKELLCKMEREKSIEIENLQARLQQLDEENSELRSTPCLKANIERLEEEKQKMLDEIEELTQRLSE
 EQENKRKMGDRLSHERHQFQRDKEATQELIEDLRKQLEHLQLLRLEVEQRRGRSSSLGLQEYNSRARESE
 LEQEVRRLKQDNRNLKEQNDLNGQIITLSIQGAKSLFSTSFSESAAEISSVSRDELMEAIQKQEEINF
 RLQDYIDRIIVAILETNPSILEVK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_153140

ORF Size: 1332 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

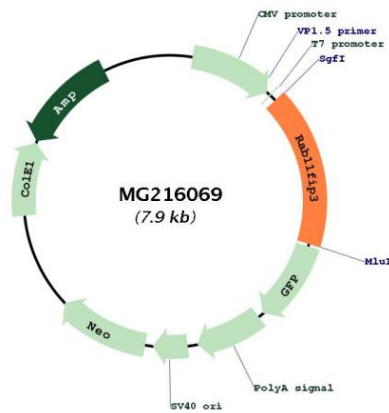
Locus ID: 215445

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]

Product images:


Circular map for MG216069