

Product datasheet for **RG227246**

RAB11FIP3 (NM_001142272) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB11FIP3 (NM_001142272) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB11FIP3
Synonyms:	CART1; FIP3-Rab11; 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:

>RG227246 representing NM_001142272
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTTCTGAAGGCCAACGAGGTGACGGACAGCGCGTACATGGGCTCCGAGAGCACCTACAGTGAGT
 GTGAGACCTTCACGGACGAGGACACCAGCACCTGGTGCACCCTGAGCTGCAACCTGAAGGGGACGCAGA
 CAGTGCCGGCGGCTCGGGCGTGCCTCTGAGTGCTGGACGCCATGGAGGAGCCCGACCATGGTGCCCTG
 CTGCTGCTCCCAGGCAGGCCCTACCCCCATGGCCAGTCTGTTCATCACGGTGATCGGGGGCGAGGAGCACT
 TTGAGGACTACGGTGAAGGCAGTGAGGCGGAGCTGTCCCAGAGACCCTATGCAACGGGCAGCTGGGCTG
 CAGTGACCCCGCTTCTCACGCCAGTCCGACAAAGCGGCTCTCCAGCAAGAAGGTGGCAAGGTACCTG
 CACCAGTCAGGGGCCCTGACCATGGAGGCCCTGGAGGACCCTTCCCCGAGCTCATGGAGGGCCAGAGG
 AGGACATTGCTGACAAGTTGTCTTCTGGAAAGCGTGTGCTGGAGCTGAAAAGGACACGGCAGCCAC
 CGGTGAGCAACACAGCCGCTGAGGCAGGAGAACCTGCAGCTGGTGCACAGAGCAACGCCCTGGAGGAG
 CAGCTGAAGGAGCAGGAGCTGAGAGCCTGCGAGATGGTCTGGAAGAGACCCGGCGTCAGAAGGAGCTCC
 TGTGCAAGATGGAGAGGAGAAGAGCATTGAGATCGAGAACCTGCAGACCAGGCTACAGCAACTGGACGA
 GGAGAACAGTGAACCTCCGGTCTGCACGCCCTGTCTGAAGGCCAACATTGAGCGTCTGGAGGAGGAGAAG
 CAGAAGCTGTTGGATGAGATAGAGTCGCTGACGCTGCGGCTCAGTGAAGAGCAGGAGAACAAGAGGAGAA
 TGGGGGACAGGCTGAGTCACGAGAGGCACCAAGTCCAGAGGGACAAGGAGGCCACCCAGGAGCTGATCGA
 GGACCTCCGAAAGCAGCTGGAGCACCTGCAGCTCCTCAAGCTGGAGGCCGAGCAGCGGGGGCCGAGC
 AGCAGCATGGGCTGCAGGAGTACCACAGCCGCGCCGGGAGAGCGAGCTGGAGCAGGAGTCCGCAGGC
 TGAAGCAGGACAACCGCAACCTGAAGGAGCAGAACGAGGAGCTGAACGGGCAGATCATTACCCCTCAGCAT
 CCAGGGCCCAAGAGCCTTCTTCCACAGCCTTCTCTGAGTCCCTGGCTGCAGAGATCAGCTCCGTCTCC
 CGAGATGAGCTCATGGAGGCGATTGAGAAGCAGGAGGAGATCAACTTCCGCTGCAGGACTACATCGACA
 GGATCATCGTGGCCATCATGGAGACCAACCCGTCATCTGGAGGTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227246 representing NM_001142272
 Red=Cloning site Green=Tags(s)

MPFLKANEVTD SAYMGSESTYSECETFTDEDSTLVHPELQPEGDADSAGGS AVPSECLDAMEEPDHGAL
 LLLPGRPHPHGQSVITVIGGEEHFEDYGESEAE LSPETLCNGQLGCSDPAFLTPSPTKRLSSKKVARYL
 HQSGAL TMEALDP SPELMEGPEEDIADKVVFLERRVLELEKDTAATGEQHSRLRQENLQLVHRANALEE
 QLKEQELRACEMVLEETRROKELLCKMEREKSIEIENLQTRLQQLDEENSELRSTPCLKANIERLEEEK
 QKLLDEIESLTLRLSEEQENKRRMGDRLSHERHQFQRDKEATQELIEDLRKQLEHLQLLKLEAEQRRGRS
 SSMGLQEYHSRARESELEQEVRRLKQDNRNLKEQNEELNGQIITLSIQGAKSLFSTAFSES LAAEISSVS
 RDELMEAIQKQEEINFRLQDYIDRIIVAIMETNPSILEVK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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:	<u>NM_001142272.1, NP_001135744.1</u>
RefSeq Size:	3227 bp
RefSeq ORF:	1341 bp
Locus ID:	9727
UniProt ID:	<u>O75154</u>
Cytogenetics:	16p13.3
Protein Pathways:	Endocytosis
Gene Summary:	Proteins of the large Rab GTPase family (see RAB1A; MIM 179508) have regulatory roles in the formation, targeting, and fusion of intracellular transport vesicles. RAB11FIP3 is one of many proteins that interact with and regulate Rab GTPases (Hales et al., 2001 [PubMed 11495908]). [supplied by OMIM, Mar 2008]