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Product datasheet for RC208581

RAB11FIP3 (NM_014700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB11FIP3 (NM_014700) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB11FIP3
Synonyms:	CART1; FIP3-Rab11; Rab11-FIP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC208581 representing NM_014700
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCGGCCCCGCCGGCCTCGCCCCCGGGCTCGGAGCCGCCGGGGCCCGACCCGGAGCCGGGCGGGC
CGGACGGGCCGGGGGCGGCACAACTGGCTCCGGGCCCTGCGGAGCTACGCCTCGGAGCGCCCGTCGGCGG
CCCCGACCCGCAGTCCCCGGGCCTGGATGAGCCTGCGCCCGGGGCCGCTGCAGATGGCGGGGCGCGTTGG
AGCGCCGGGCCGGCCCCGGGGCTGGAGGGAGGCCCGCGAGACCCCGGGCCGTCCGCCCCGCCGCCGCGCT
CCGGCCCGCGGGGGCAGCTTGCGAGCCCCGACGCCCCGGGCCCAGGGCCGCGCTCCGAAGCGCCGCTTCC
AGAACTCGACCCGTTGTTCTCCTGGACTGAGGAGCCCGAGGAGTGTGGCCCCGCGAGCTGCCCGGAGAGC
GCGCCTTTCCGCTTGCAGGGGTCCAGCAGCAGCCACCGAGCGCGGGGCGAGGTCGACGTCTTCTCTCCCT
TCCCCGCGCCCACGGCGGGCGAGCTGGCGCTGGAGCAAGGTCCCGGGTCCCCGCCGCAGCCCTCGGACCT
CAGCCAGACCCACCCCCTTCCGAGCGAGCCCGTGGGGAGTCAGGAGGACGGCCCCCGCCTCCGAGCCGTG
TTCGATGCCCTGGACGGGGATGGGGACGGTTTCGTCCGCATCGAGGACTTCATCCAGTTTGCTACGGTCT
ACGGGGCAGAGCAGGTGAAGGACTTAACTAAGTACTTGGATCCCAGTGGGCTCGGCGTGATCAGCTTTGA
AGACTTCTACCAAGGGATCACAGCCATCAGAAACGGAGATCCTGATGGCCAGTGCTACGGTGGTGTCGCT
TCTGCCCAAGATGAGGAGCCCCTGGCCTGCCCGGACGAGTTCGATGACTTCGTCACCTATGAGGCCAACG
AGGTGACGGACAGCGCGTACATGGGCTCCGAGAGCACCTACAGTGAGTGTGAGACCTTCACGGACGAGGA
CACCAGCACCCTGGTGCACCCTGAGCTGCAACCTGAAGGGGACGCAGACAGTGCCGGCGGCTCGGCCGTG
CCCTCTGAGTGCCTGGACGCCATGGAGGAGCCCGACCATGGTGCCCTGCTGCTGCTCCCAGGCAGGCCTC
ACCCCCATGGCCAGTCTGTCATCACGGTGATCGGGGGCGAGGAGCACTTTGAGGACTACGGTGAAGGCAG
TGAGGCGGAGCTGTCCCCAGAGACCCTATGCAACGGGCAGCTGGGCTGCAGTGACCCCGCTTTCCTCACG
CCCAGTCCGACAAAGCGGCTCTCCAGCAAGAAGGTGGCAAGGTACCTGCACCAGTCAGGGGCCCTGACCA
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AGGCAGGAGAACCTGCAGCTGGTGCACAGAGCAAACGCCCTGGAGGAGCAGCTGAAGGAGCAGGAGCTGA
GAGCCTGCGAGATGGTCCTGGAAGAGACCCGGCGTCAGAAGGAGCTCCTGTGCAAGATGGAGAGGGAGAA
GAGCATTGAGATCGAGAACCTGCAGACCAGGCTACAGCAACTGGACGAGGAGAACAGTGAACTCCGGTCC
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GAGGCACCAGTTCCAGAGGGACAAGGAGGCCACCCAGGAGCTGATCGAGGACCTCCGAAAGCAGCTGGAG
CACCTGCAGCTCCTCAAGCTGGAGGCCGAGCAGCGGCGGGGCCGCAGCAGCAGCATGGGCCTGCAGGAGT
ACCACAGCCGCGCCCGGGAGAGCGAGCTGGAGCAGGAGGTCCGCAGGCTGAAGCAGGACAACCGCAACCT
GAAGGAGCAGAACGAGGAGCTGAACGGGCAGATCATTACCCTCAGCATCCAGGGCGCCAAGAGCCTCTTC
TCCACAGCCTTCTCTGAGTCCCTGGCTGCAGAGATCAGCTCCGTCTCCCGAGATGAGCTCATGGAGGCGA
TTCAGAAGCAGGAGGAGATCAACTTCCGCCTGCAGGACTACATCGACAGGATCATCGTGGCCATCATGGA
GACCAACCCGTCCATCCTGGAGGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

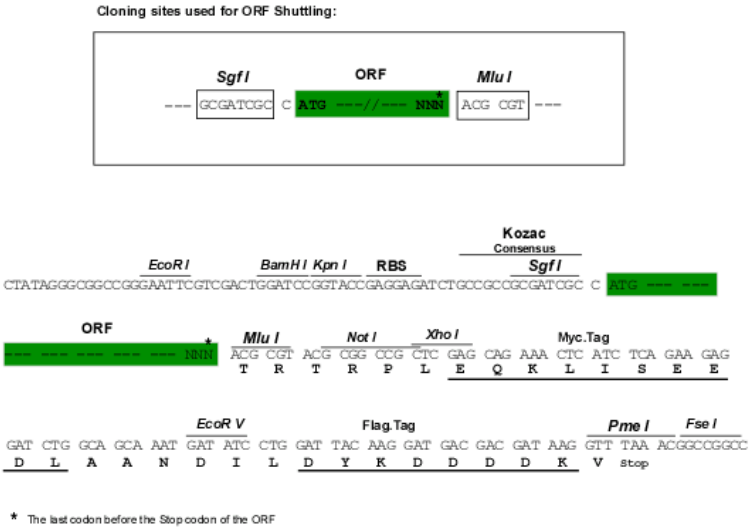
>RC208581 representing NM_014700
Red=Cloning site Green=Tags(s)

MASAPPASPPGSEPPGPDPEPGGPDGPGAAQLAPGPAELRLGAPVGGPDPQSPGLDEPAPGAAADGGARW
SAGPAPGLEGGPRDPGPSAPPPRSGPRGQLASPDAPGPGPRSEAPLPELDPLFSWTEEPEECGPASCPES
APFRLQGSSSSHRARGEVDVFSPFPAPTAGELALEQGPGSPPQPSDLSQTHPLPSEPVGSQEDGPRLRAV
FDALDGDGDGFVRIEDFIQFATVYGAEQVKDLTKYLDPSGLGVISFEDFYQGITAIRNGDPDGQCYGGVA
SAQDEEPLACPDEFDDFVTYEANEVTDSAYMGSESTYSECETFTDEDTSTLVHPELQPEGDADSAGGSAV
PSECLDAMEEPDHGALLLLPGRPHPHGQSVITVIGGEEHFEDYGEGSEAELSPETLCNGQLGCSDPAFLT
PSPTKRLSSKKVARYLHQSGALTMEALEDPSPELMEGPEEDIADKVVFLERRVLELEKDTAATGEQHSRL
RQENLQLVHRANALEEQLKEQELRACEMVLEETRRQKELLCKMEREKSIEIENLQTRLQQLDEENSELRS
CTPCLKANIERLEEEKQKLLDEIESLTLRLSEEQENKRRMGDRLSHERHQFQRDKEATQELIEDLRKQLE
HLQLLKLEAEQRRGRSSSMGLQEYHSRARESELEQEVRRLKQDNRNLKEQNEELNGQIITLSIQGAKSLF
STAFSESLAAEISSVSRDELMEAIQKQEEINFRLQDYIDRIIVAIMETNPSILEVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

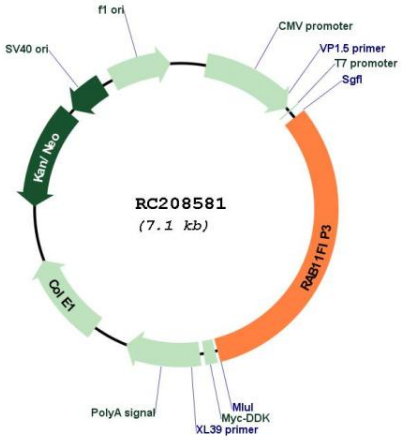


ACCN: NM_014700

ORF Size: 2268 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_014700.4
RefSeq Size:	4273 bp
RefSeq ORF:	2271 bp
Locus ID:	9727
UniProt ID:	O75154
Cytogenetics:	16p13.3
Protein Pathways:	Endocytosis
MW:	82.4 kDa
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]

Product images:



Circular map for RC208581