

Product datasheet for **SC114749**

RAB11 FIP2 (RAB11FIP2) (NM_014904) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB11 FIP2 (RAB11FIP2) (NM_014904) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB11 FIP2
Synonyms:	nRip11; Rab11-FIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014904, the custom clone sequence may differ by one or more nucleotides

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ATGATGCTGTCCGAGCAAGCCCAAAAGTGGTTTCCAACCCACGTGCAGGTACAGTGCTCCAAGCCAAAG
ATCTGAAGCCAAAAGGCCAAAAGTGGTACCAATGACACATACACTATAATTCAGCTGGGCAAGGAAAAGTA
CTCCACCTCTGTAGCTGAGAAAACCTTGAGCCAGTTTGGAAAGGAGGAGGCCTCTTTCGAGCTACCTGGA
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TGGATAAATTTTTAGGGCAGGTGGCAATCAATCTCAATGACATCTTTGAGGACAAACAAAGAAGGAAAAC
AGAGTGGTTTAGATTAGAATCCAACAAGGAAAACGAATCAAAAACAGGGGTGAGATAAAGGTCAATATT
CAGTTTATGAGGAACAATATGACCGCAAGTATGTTTGACTTATCAATGAAGGACAAAACAGATCTCCTT
TTGCAAAGTTAAAAGATAAGATGAAGGGTAGAAAAAATGATGGAACATTTCTGATACGTCTTCTGCAAT
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CCAAAAAGCCTTTTCTCTTGGGTCTCAGCGACTCTCGTCAGCGCATTCAATGTCTGATTTATCTGGGT
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TCTAAAATGAACCAACCTGACAGCATTGTGGATGAAGGTGAATTTGTTTCGGAAGACAAAATGACCCAT
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GGACTATTTGATTATGAGTCAACCAATCCATTTACAGCAAAATTCAGGGCTTCAAATAATGCCATCT
TCAAGTTTTCATATGAGTCCAACAAGCAATGAAGACCTCAGGAAAATCCCGGACAGCAACCCCTTTGATG
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TAGGAGGAAAAGACACCCACATCCGGAACTCGAGGACTACATCGACAACCTCCTGTGAAGGGTAATGGAA
GAAACGCCAGTATTCTCAGAGTGCCGTATGAACCATCCAGGAAAGCTGGCAAATCTCTAACAGTTAA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014904 unedited TCGACTCTATAGGGCGGCCGATTTCGGCACGAGGCAGAGGCCTGCACGGCGCGGCCAG GTGATGGTGGGCTCTGTGTTTCTCCAGACGAAAGGGGACCCCGGAGCGGCCGTGCCCC TGGGCTGCCCCCGCAGGCGTTTTGACATCAGCCATAGGGAAGTCGGGGAGCCCTGAGCC TGCCTGTTCCGTTAAGTGTCTTAGGATGCAGTGATTAAGGAATTAGGCTCTCCCTCCG GGAGGGGCACTGCCTGTGCTAGGAACTCGGGGCAGAGAAACAGGACAGGATGATGCTG TCCGAGCAAGCCAAAAGTGGTTTCCAACCCACGTGCAGGTCACAGTGCTCCAAGCCAAA GATCTGAAGCCAAAAGGCAAAAGTGGTACCAATGACACATACACTATAATTCAGCTGGGC AAGGAAAAGTACTCCACCTCTGTAGCTGAGAAAACCCCTTGAGCCAGTTTGAAGGAGGAG GCCTCTTTCGAGCTACCTGGATTGCTAATTCAGGGAAGTCCAGAGAAATACATTCTTTTC CTTATAGTTATGCACAGGTCCCTGGTGGGTCTGGATAAATTTTTAGGGCAGGTGGCAATC AATCTCAATGACATCTTTGAGGACAAACAAGAAGGAAACAGNAGTGGTTTAGATTAGAA TCCAAACAGGAANACGAATCNAACAGGGGTGAGAATAAGGTCAATATTCAGTTTATGAG GGACAATATNGACCGCANGTATGTTTGACTTTATCATGAAGGACAAAACCAGATCTTCTT TTNGCAAGNNTAAGAANGATGGAAGGGTAGAAAAATGATGGNACATTNTCTGATACGTC TTCTGCATCATTTCACTACTCACATGCCGAGCCATAGTGATTTTTCACTGGTGAATACAG ATGAATCAANCAAAAGCTTTTTCTTTGGTCTACGACTCTCGCACGCATCATGCTGATTT TATTGGCCCTATATGCTTTAGAACGGAAGCTGACCATAGTCACCATTTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014904 unedited CCGCGGGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTATAGATTCTCTTTGTTAAA GAATAAGCACCCCTCCGGGGATGGTAGGCAGGGAGGCGTGGTGGTGGAGGGAGTTGCTGGA GGAATAACAAGAAGAAAACAAGTCTGTCTACTAATGAGCTTAGTTTTACTTAGGTTTCCAT TCATGAAACCCTTTAAATACAAGGCAACATTTTACAGCTGGAAAATTACAACAAATC TTGATTTACCACAAAAGCAATAGATGTAGTTATGTATAATCTATAGATAATACTACATT CAGGGGACAATGGCAAACTAGGCTCAATGCAGAACATAGCAGCAAAAAGCAACTACTTAA AAACGTTTTTCATGAATGGGTTACATGTTGTTTTATACAATCTAAGATATGACCCTG GTATTCATAAATGAACTTGAAGCGTAAGTGGTAGGAAGGTATGTTCAATATTTTTTAA GCTGAATTTTAGAATTGGTTATAAATAAATACTGCTTTAAAAATAATAGCAGAAATAGTT TAATTATGTAACAGAAGTACATTAGCTTAAGATAGTCTTGAGATAAATATCAATTCTGTG ATTTTTAAAAATCCTCTGTTGGTAGTAGTGGTTTTTGGGCATGCATTCTTTAAAGCATA AAAGCAAAAATAAAGCTATAAATCTAGTGTACTGTGCATTATTTAATAAGCACATATATT TTATTTNCATTTCTAAGCAACTAACANAATACATTAGAATACCTAAAGTTATGNTTTTGG AANAATAACTAAGGTGACCCTTTTTGGGCCTCTTTTCTACNACGTGAGAAATAAAAC ACTTTGCACTTCTGCCAACACAGGAACACTGATTATTTACTTTGGGACTAATTTCACTTT TTGTTTTAAGCTTATAATTTGACTGATATGAAAATAGCATAGCTACTCTGGTATGANTG AAAATCCAACATAGAACGAATTCAGGCGGGAGATGGTTAAAAGACCAGTTAAATTTAA CTGCCAAATTAGAAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014904
Insert Size:	4690 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).
OTI Annotation:	TrueClone.
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_014904.1](#), [NP_055719.1](#)

RefSeq Size: 6059 bp

RefSeq ORF: 1539 bp

Locus ID: 22841

UniProt ID: [Q7L804](#)

Cytogenetics: 10q26.11

Domains: C2

Protein Pathways: Endocytosis

Gene Summary: A Rab11 effector binding preferentially phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and phosphatidic acid (PA) and acting in the regulation of the transport of vesicles from the endosomal recycling compartment (ERC) to the plasma membrane. Involved in insulin granule exocytosis. Also involved in receptor-mediated endocytosis and membrane trafficking of recycling endosomes, probably originating from clathrin-coated vesicles. Required in a complex with MYO5B and RAB11 for the transport of NPC1L1 to the plasma membrane. Also acts as a regulator of cell polarity. Plays an essential role in phagocytosis through a mechanism involving TICAM2, RAC1 and CDC42 Rho GTPases for controlling actin-dynamics.[UniProtKB/Swiss-Prot Function]