

## Product datasheet for **MR226056**

### **Rab11fip2 (NM\_001033172) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                             |
| Product Name:             | Rab11fip2 (NM_001033172) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Rab11fip2                                       |
| Synonyms:                 | 4930470G04Rik; A830046J09Rik; AW558126; Nrip11  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                            |



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**ORF Nucleotide Sequence:**

>MR226056 representing NM\_001033172  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGCTGTCTGAGCAAGCCAAAAGTGGTTTCCAACCCACGTGCAGGTCACAGTGCTCCAAGCTAAAG  
 ATCTGAAGCCAAAAGGCCAAAAGTGGTACCAATGACACATACACCATAATTCAGTTGGGCAAAGAGAAGTA  
 TTCTACATCTGTAGCAGAGAAAACCTGGAGCCGGTCTGGAAGGAGGAGGCCCTCTTTGAGCTGCCTGGG  
 TTGCTCATGCAGGGTAGTCCGGAGAAAATACATTCTTTTCTTATAGTGATGCACAGGTCCTGGTGGGAC  
 TGGATAAGTTTTAGGGCAGGTGGCAATCAATCTCAATGACATCTTTGAGGACAAACAAAGAAGGAAAAC  
 AGAGTGGTTTAGATTAGAATCCAAACAAGGAAAAAGAATAAAAAACAGGGGTGAGATAAAGGTCAATATT  
 CAATTTATGAGGAACAACATGACAGCAAGCATGTTTGACTTGCAATGAAGGACAAGACGAGATCACCTT  
 TTGCAAAATTAAGATAAAGATGAAAGGGAGGAAAAGCGACGGGGTGTCTGATACGCTCTGCCAT  
 CGTTCCGAGCACTCACATGCCTGATGCCAATCCTGAGTTTCAAGTGGTAAAATGCAGATGAAATCCAAA  
 CCAAAAAAGCCTTTCTTTGGGTCTCAGCGGCTCTCTTCTGCCATTGATGTCTGATTAACCTGGGT  
 CCCACTTATCTTCTGAGAAGCTGAAGTCCAGCACTGTGGGTCCAACACATCTTCTCAGTCGCCAGATAGA  
 TTCTTTGGAGTTGTTCCAGAAAGTGAAGTCTCAAGTCTCCACACAGACGAACACTAAGCTTTGATACT  
 TCTAAATTGAACCAACCTGGCAGCATTGTGGATGAAGGTGAACACTCTTTTGAAGACAGAGTGACCCAT  
 TTACAAATGTGACTGCTTATTACCCAAAAATTTGCAACACTGCCAAGGAAGAAGAAATCCATTTGAAGA  
 AAGCAGTGAGCCATGGGACAGCAGCATGAATTTATTCTCAAACCAATTGAAGTCAGGAAAGAAAGTAAG  
 AGAGAGAAAAGGGAGAAGGTGAGCCTCTTTGAAAGAGTGACTGGCAAGAGAGATAGCAGGAGACCTGACA  
 AGCTGAACAATGGTGGATCTGATAGCCCATGTGACTTGAATCACCTAGTGCTTTTAGTGAAAACCGGCA  
 GGACTATTTTGAATATGAGTCAACTAACCCGTTTACAGCAAAAATTCAGGGCTTCAACTATAATGCCATCT  
 TCAAGTTTTATGTGAATCCAACAAGCAGTGAAGACCTCAGGAAAATCCCGGACAACAATCTTTGATG  
 CCACGGCTGGGTACCGGAGTCTGACCTACGAAGAGGTGCTGCAGGAGCTGGTGAAGCACAAAGAACTCCT  
 TCGGAGGAAGGACACCCATATCCGGGAGCTAGAGGACTACATTGACAACCTCCTCGTCAGGGTGATGGAA  
 GAGACACCCAGCATCCTGCGAGTGCCCTACGAGCCATCCAGAAAAGCTGTATACCCAGGACCCTTGT  
 CACCCGGGCCACCCACCTCTGTGGAGAAGCTACTTCAACCCACTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226056 representing NM\_001033172  
 Red=Cloning site Green=Tags(s)

MMLSEQAQKWFPTHVQVTVLQAKDLKPKGKSGTNDTYTIIQLGKEKYSTSVAEKTLEPVWKEEASFELPG  
 LLMQGSPEKYILFLIVMHRSLVGLDKFLGQVAINLNDIFEDKQRRKTEWFRLESKQGRKIKNRGEIKVNI  
 QFMRNNMTASMFDL SMKDKTRSPFAKLKDKMKGRKSDGVFSDTSSAIVPSTHMPDANPEFSSGEMQMKS  
 PKKPFLLGPQRLSSAHSMSDLTGSHLSSEKLSSTVGPHTLLSRQIDSFVVPESGLKSPHRRTLSFDT  
 SKLNQPGSIVDEGEHSFGRQSDPFTNVTASLPQKFATLPRKKNPFEESEPWDSSMNLFSKPIEVRKESK  
 REKREKVSLEFVVTGKRDSRRPDKLNNGGSDSPCDLKSPSAFSENQDYFEYESTNPFTAKFRASSTIMPS  
 SSFHVNPSTSEDLRKIPDNNPFDATAGYRSLTYEEVLQELVKHKELLRRKDHIRELEDYIDNLLVRVME  
 ETPSILRVPEYPSRKAVYTDHLSPPGPHLCGEATSTHS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9079\\_e06.zip](https://cdn.origene.com/chromatograms/mm9079_e06.zip)

**Restriction Sites:**

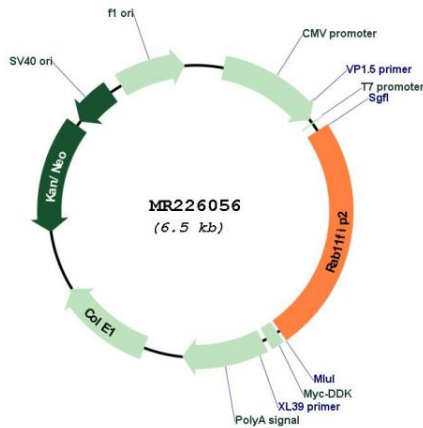
Sgfl-Mlul



**MW:** 60 kDa

**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]

**Product images:**



Circular map for MR226056