

## Product datasheet for **MR221520**

### **Rab11fip1 (NM\_029423) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rab11fip1 (NM_029423) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab11fip1
Synonyms:	2010200K21Rik; 4833414G05Rik; Rcp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR221520 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCTTGGCGCCTCAGCGGGCCGGGCCCCGGGACCATGTGGTCCCCTACCCACGTGCAGGTGACGG  
 TGCTACAGGCGCGGGGCTTTCGGGCCAAGGGACCCGGGGCACGAGCGACGCGTACGCGGTGATCCAGGT  
 GGGCAAGGAGAAGTACGCCACGTCGGTGTCTGGAGCGCAGCCTGGGCGCGCCCGTGTGGCGGAGGAAGCC  
 ACCTTCGAGCTGCCTCCGCTGCTGTCTCCGGGGCCGCGCCGGCCGCGCCACCCTGCAGCTCACCG  
 TCCTGCACCGCGCTTGTCTGGTCTCGATAAGTTCTGGGCCGCGCCGAGGTGGACCTGCGGGAGCTGCA  
 CCGGGACCAGGGCCGAGGAAGAAGCAATGGTACACCCCTGAAGTCAAACCCGGGAAGAAGGACAAAGAG  
 CGCGGGGAAATCGAGGTGCACATCCAGTTTATGAGGAATAACATGACGGCCAGCATGTTTGACCTCTCCA  
 TGAAAGACAAGTCCCGAATCCATTTGAAAACTGAAGGACAAGATCAAAGGGAAGAATAAGGACAGCGC  
 CTCGGATACCGCTCGGCATCGTCCCCAGCGTACACCCCTCAGTCGACAGTGCAGTGCAGTGCCTTCTCG  
 AAAGACAAGAAAAAGAAGTCAAAGATCAAGACTTTGTTTTCAAAGTCGAGTCTGCAGAAGACGCCCTCT  
 CCCAGTCCATGTCTGTCTGCCACTTCCAAGTCAGACAAAGTTCTGTTGCGGGCCGGAGACTTCCAGTC  
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 TCCAGTACAGACCAACAACCGAACCCAGTCCAATTCAGCCTTCCCAAGAAAGAGGGGCTTTCCTTCTTG  
 GGGGCTCCGGTCCAAGAATGACTCTCTTCCCGCTCTACCGTGTATCAACGGGAACCCAGTTTACAT  
 GGAGCAGCCGGAGGCCAGGAGTGAGATCAGAGAGAGCAGCCCTTCTAATTCCCATCCCCGAGGGCTTC  
 AGGAGGAAGCATTGTTCTCGTCCACTGAAAACCTGGCTGCCCGCTCTCCAAGGAACCCAGGGGAAGGAG  
 GCGGCACATCTTCTGACAGGCGACTGTCCGACTTTCCACCAAGGATTCCATGAAGTCCATGCTTTTGGC  
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 CGCGCTCGTGAAGCCCAGTGCGGGAGGAAGACCTCATGAGAAGGCCTGAGAAAGATGCTCTACCTGTT  
 GCCTCCAGTGGGGCAGCTCCTGAACCCCTTTGAGGACGTGCAGATCTCAGACCCGGGAGCCACCACGG  
 AGTCCAGGTGGAACCGAAACCCAGTTCCTGCGGCCAGGGTCCCCAGACCAAGGCTGTGAAGCCGAG  
 GCCTCACCTGTGAAGCCATGAACACAACAGCCACCAAGATTGCAAACCTAGTTTGGGAACCGCCACC  
 ATCATCTAGAGAACCTGATCAGCGAGGCCCTCATGAAGAAATACCAGCCCTCGGATCCCGCCTTTGCCT  
 ACGCGCAGCTGACCCACGATGAGCTGATCCAGCTAGTCCCAAACAGAAAGGAGACCATCAGCAAGAAGGA  
 GTTTCAGGTGCGGGAGCTGGAGGACTACATCGACAACCTGCTAGTCAGAGTCATGGAGGAGACCCCAAC  
 ATCCTCCGAGTCCCGGCGAGATGGGAAGAAGGCCGGAAGATG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR221520 protein sequence  
Red=Cloning site Green=Tags(s)

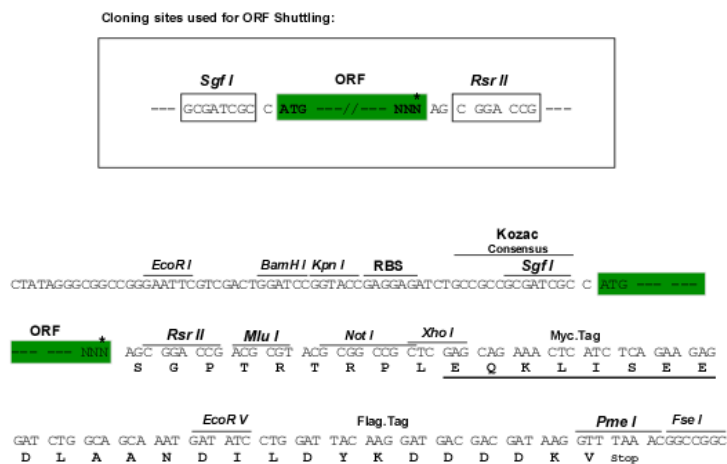
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MSLAASAGRPGTMWSPTHVQVTVLQARGLRAKGPGGTSDAYAVIQVGKEYATSVSERSLGAPVWREEA
TFELPPLLSSGAAPAAAATLQLTVLHRALLGLDKFLGRAEVDLRELHRDQGRKKQWYTLKSKPGKKDKE
RGEIEVDIQFMRNNMTASMFDL SMKDKSRNPFGLKDKIKGKNKDSASDTASAI VPSVTPSVDSDDSF
KDKKKKSKIKTLFSKSSLQKTPLSQMSVLPTSKSDKVLLRAGDFQSQWDDDAHEDESSASDVMSHKRT
SSTDQQPNQSNFSLPKKEGLSFLGGLRSKNDLSRSTVCINGNHVYMEQPEARSEIRESSPSNSPSPQGF
RRKHLFSSTENLAARSPKEPGEGGTSSDRRLSDSSTKDSMKSMSLPSYRPLTSGDNRESMPANVEAAR
ETKDSKKQESKSSLLSLVTGKRDAAKGSESEPLPTVSEKEKERK GALVEAQLREEDLMRRPEKDALPV
ASQWSSLNPFEDVQISDPGATTESRSEPKPPVPAARVPQTKAVKPRPHPVKPMNTTATKIANSSLGTA
IITENLISEALMKKYQSPDAFAYAQLTHDEL IQLVLKQKETISKKEFQVRELEDYIDNLLVRVMEETPN
ILRVPAQMGGKAGKM
```

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_029423

**ORF Size:** 1938 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\\_029423.2](#), [NP\\_083699.2](#)

**RefSeq Size:** 6402 bp

**RefSeq ORF:** 1938 bp

**Locus ID:** 75767

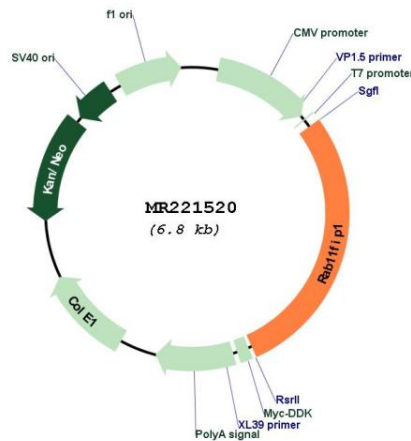
**UniProt ID:** [Q9D620](#)

**Cytogenetics:** 8 A2

**MW:** 70.7 kDa

**Gene Summary:** A Rab11 effector protein involved in the endosomal recycling process. Also involved in controlling membrane trafficking along the phagocytic pathway and phagocytosis (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR221520