

Product datasheet for **MC221040**

Rufy1 (NM_172557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rufy1 (NM_172557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rufy1
Synonyms:	3000002E04Rik; Rabip4; ZFYVE12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221040 representing NM_172557
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCCCGCGGAGAATGCCCGCGGGCGGAGGATTCGAGCCGGAGCCGGAGCGGGAGCCGGAGT
 CCGAGCCGGGGCCGGAGCCTGAGCCCAAGCAGGCCTAGAGTCCGGGGAAGCGTTCGAGATCGTGGACCG
 GAGCCAGCTGCCGAGTCCCGGCGAGCTGCGGAGTGCCTCGCGCCCTCGAGTGGCCGACAGCTGGTGGCG
 CCCATCCTGACGCTGGCGCGCAGAGCCACCGGGAACCTGTCCGGGAGCTGCGGCAGCGCGCTGCGCGCGG
 CCGCGGGGCTGGGAGACGGCGCGGGCGGGGAGCGCGCAGCTTCCAAAGGCCAGATGATGGAGGAGCG
 TGCCAACCTAATGCACATGATGAACTCAGCATTAAGGTCTTACTCCAGTCTGCCCTTAGCTGGGACGC
 AGTCTGGATGCAGACTATGCCCCCTTGCAGCAGTCTTTGTAGTATGGAGCATTGCCTCAAACATGGGC
 TGAAGTCAAGAAGAGTTTCATTGGCCAAAATAAGTCTTTCTTTGGTCTTTGGAGCTGGTGGAAAAACT
 TTGTCTGAAGCATCAGATATAGCTACCAAGTGTGAGGAATCTCCAGAATAAGACAGCCGTGGGAAGA
 GGCAGAGCGTGGCTTTATCTTGCTCTCATGCAAAAAGAACTGGCAGATTATCTGAAAAGTCCATAGACA
 ACAAGCAGCTCCTAAGTGAATCTATGAGCCCGAGGCCTAATGATGGAGGAGGAAGGAATGGTATCGT
 GGGTCTGCTGGTGGGACTCAACGTTCTGGATGCCAACCTCTGCTTAAAGGGAGAAGACTTGGATTCTCAG
 GTCGGGGTGATTGACTTCTCTCTGTCTGAAGGACGCACAGGATCTTGACAGCGGCAGAGAGCATGAAA
 GAATTACCGATGTCCTTGATCAGAAAAATTACGTGGAGGAACCTAACCGGCACCTAAGCTGCACAGTTGG
 GGATCTTCAGACGAAGATAGATGGCTTGGAAAAGACGAACCTAACAGCTTCAAGAAGAGCTTTCAGCTGCA
 ACAGACCGAATTTGTTCCCTACAAAAAGAACACAGCAGCTGAGAGAACAGAACGAAGTAATTCGAGAAA
 GAAGCGAGAAGAGCGTGGAGATAACAAAACAGGACACCAAGGTTGAACTGGAGACTTATAAGCAGACCCG
 GCAGGGCCTGGATGAAATGTACAGCGATGTGTGGAACAGCTGAAGGAGGAGAAGAAAGTCCGACTGGAA
 CTGAAAAAGGAGCTGGAGTTGCAGATTGGAATGAAGACGAGATGGAGATCGCCATGAAGTTGCTGGAGA
 AGGACACCCATGAGAAGCAAGACACGCTCGTTGCCCTCCGCCAGCAGCTGGAGGAAGTCAAAGCTATTAA
 CTTACAGATGTTTCAAAAGTTCAGAGTGCAGAGAGCAGTTTACAGCAGAAGAATGAAGCCATCGCATCT
 TTTGAAGGAAAAACCACTCAGGTGATGTCCAGCATGAAGCAAATGGAGGAAAGGTTACAGCAGGCGGAAC
 GGGCCAGGCAGGCGCAGAAGAGCGAAGCCACAAGTTGCAGCAGGAGCTCAGCGGGAGGGGCAGTGCCT
 GCAGCTCCAGCTGTCCAGCTGCGGGACCAATGCTCAGGTCTAGAGAAAGAACTGAAGTCAAAAAAGAA
 CAAAGACAAGCTCTCCAGAGAGAACTACAGCGTGAGAAAGACACCTCTTGTCTGCTCCAGACGGAGCTGC
 AGCAAGTGAAGGCTGAAGAAGGAGCTGCGGGAGCTCCAAGACGAGAAGGCAGAGTTACGGGAAGTCTG
 TGAGGAGCAGGAGCAAGCCCTCCAGGAAATGGGACTACACCTTAGCCAGTCCAAACTGAAGATGGAAGAC
 ATAAAGGAAGTAAATAAGGCACTGAAGGGCCACACATGGTTGAAAGATGACGAGGCAACACATTGTAAGC
 AGTGTGAGAAGGACTTCTCCATTTCTCGGAGGAAGCACCCTGCCGAACTGTGGCCACATTTTCTGCAA
 CACCTGCTTAGCAACGAGCTGGCCCTGCCCTCCTACCCTAAGCCAGTGCCTGTGTGTGACAGCTGCCAT
 ACCCTGCTACTGCAGCGCTGCTCCTCACTGCCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172557
Insert Size: 2139 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).

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_172557.2</u> , <u>NP_766145.1</u>
RefSeq Size:	2657 bp
RefSeq ORF:	2139 bp
Locus ID:	216724
UniProt ID:	<u>Q8BIJ7</u>
Cytogenetics:	11 B1.3
Gene Summary:	Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in early endosomal trafficking.[UniProtKB/Swiss-Prot Function]