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# Product datasheet for MC216782

## Rabgef1 (NM_019983) Mouse Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Rabgef1 (NM_019983) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Rabgef1 |
| **Synonyms:** | Rab5ef; Rabex5; Rin2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

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**Fully Sequenced ORF:**

>MC216782 representing NM_019983
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCTGAAGTCCGAACGCAGGGGAATTCATGTGGATCAATCTGAGCTCCTGTGCAAGAAAGGATGCG
GTTACTACGGCAACCCTGCCTGGCAGGGTTTCTGCTCCAAGTGCTGGAGGGAGGAGTACCACAAGGCCCG
GCAGAGGCAGATCCAAGAGGACTGGGAACTGGCAGAACGACTTCAGCGGGAGGAGGAAGAGGCCTTCGCG
AGCAGCCAGAGCAGCCAAGGAGCCCAGTCCCTCACCTTCTCCAAGTTCGAGGAGAAGAAGACCAATGAGA
AAACCCGAAAAGTCACCACAGTGAAGAAGTTCTTCAGCGCCTCTTCCAGAGCTGGATCCAAGAAGGAAAT
TCAGGAAGCCAAAGCTCCCAGTCCCTCCATAAACCGGCAAACCAGCATTGAGACGGACCGAGTGACTAAG
GAGTTCATAGACTTTCTCAAGACCTTCCACAAGACAGGCCAAGAAGTCTATAAACAGACGAAGATGTTTT
TGGAAGCAATGCCTTATAAAAGGGATTTAAGCATCGAGGAACAGTCAGAATGTACTCAGGACTTTTACCA
AAATGTGGCTGAAAGAATGCAGACCCGTGGGAAAGTGCCTCCAGAGAAAGTGGAGAAGATAATGGATCAG
ATCGAAAAGCACATCATGACGCGTCTCTATAAATTTGTGTTCTGCCCAGAGACTACTGATGATGAGAAGA
AAGATCTCGCCATTCAAAAAAGAATCAGGGCCCTGCACTGGGTAACGCCTCAGATGCTCTGTGTCCCTGT
CAATGAGGAAATCCCTGAAGTGTCCGACATGGTGGTGAAAGCGATCACAGACATCATTGAGATGGACTCA
AAGCGTGTGCCTCGGGACAAGCTGGCCTGCATCACCAGGTGCAGCAAGCACATCTTCAATGCCATCAAGA
TCACCAAGAATGAGCCAGCCTCTGCCGATGACTTCCTGCCCACCCTGATCTACATCGTCCTGAAGGGCAA
CCCCCCTCGCCTGCAGTCCAACATCCAGTACATCACTCGCTTCTGCAACCCCAGCCGGCTCATGACGGGC
GAGGATGGCTACTACTTCACCAACCTGTGCTGTGCTGTGGCTTTCATTGAGAAATTAGACGCCCAGTCTT
TGAATTTAAGTCAGGAGGATTTTGACCGGTACATGTCTGGCCAGACATCCCCCAGGAAGCAGGAGTCTGA
GAGTTGGCCCCCGGAGGCCTGCTTAGGTGTGAAGCAAATGTATAAGAACTTGGACCTCCTGTCTCAGTTG
AATGAACGGCAAGAAAGGATCATGAACGAAGCCAAGAAACTTGAAAAAGACTTAATAGACTGGACAGACG
GGATTGCCAAGGAAGTTCAAGACATTGTTGAGAAATACCCACTGGAGATTAAGCCCCCGAACCAACCCTT
AGCAGCCATCGACTCTGAGAATGTGGAGAACGACAAGCTCCCTCCCCCTCTGCAGCCTCAGGTGTACGCA
GGGTGA

ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-NotI

**ACCN:** NM_019983

**Insert Size:** 1476 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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_019983.2, NP_064367.1 |
| **RefSeq Size:** | 2843 bp |
| **RefSeq ORF:** | 1476 bp |
| **Locus ID:** | 56715 |
| **UniProt ID:** | Q9JM13 |
| **Cytogenetics:** | 5 G1.3 |
| **Gene Summary:** | Rab effector protein acting as linker between gamma-adaptin, RAB4A or RAB5A. Involved in endocytic membrane fusion and membrane trafficking of recycling endosomes. Stimulates nucleotide exchange on RAB5A (By similarity). Can act as a ubiquitin ligase (By similarity). [UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same isoform (a). |

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