

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTGAAGTCCGAACGCAGGGGAATTCATGTGGATCAATCTGAGCTCCTGTGCAAGAAAGGATGCG
 GTTACTACGGCAACCCTGCCTGGCAGGGTTTCTGCTCCAAGTGCTGGAGGGAGGAGTACCACAAGGCCCG
 GCAGAGGCAGATCCAAGAGGACTGGGAAGTGGCAGAACGACTTCAGCGGGAGGAGGAAGAGGCCCTTCGCG
 AGCAGCCAGAGCAGCCAAGGAGCCAGTCCCTCACCTTCTCCAAGTTCGAGGAGAAGAAGACCAATGAGA
 AAACCCGAAAAGTCACCACAGTGAAGAAGTTCTTCAGCGCCTCTCCAGAGCTGGATCCAAGAAGGAAAT
 TCAGGAAGCCAAAGCTCCAGTCCCTCCATAAACCGGCAAACCAGCATTGAGACGGACCGAGTGACTAAG
 GAGTTCATAGACTTTCTCAAGACCTCCACAAGACAGGCCAAGAAGTCTATAAACAGACGAAGATGTTTT
 TGAAGCAATGCCTTATAAAAGGATTTAAGCATCGAGGAACAGTCAGAATGTACTCAGGACTTTTACCA
 AAATGTGGCTGAAAGAATGCAGACCCGTGGGAAAGTGCCTCCAGAGAAAGTGGAGAAGATAATGGATCAG
 ATCGAAAAGCACATCATGACGCTCTCTATAAATTTGTGTTCTGCCAGAGACTACTGATGATGAGAAGA
 AAGATCTCGCCATTCAAAAAGAATCAGGGCCCTGCACCTGGGTAACGCCTCAGATGCTCTGTGTCCTGT
 CAATGAGGAAATCCCTGAAGTGTCCGACATGGTGGTAAAAGCGATCACAGACATCATTGAGATGGACTCA
 AAGCGTGTGCCTCGGACAAGCTGGCCTGCATCACCAGGTGCAGCAAGCACATCTCAATGCCATCAAGA
 TCACCAAGAATGAGCCAGCCTCTGCCGATGACTTCTGCCACCCTGATCTACATCGTCTGAAGGGCAA
 CCCCCCTCGCTGCAGTCCAACATCCAGTACATCACTCGTTCGCAACCCAGCCGGCTCATGACGGGC
 GAGGATGGCTACTACTTACCAACCTGTGCTGTGCTGTGGCTTTCATTGAGAAATTAGACGCCAGTCTT
 TGAATTTAAGTCAGGAGGATTTGACCGGTACATGTCTGGCCAGACATCCCCAGGAAGCAGGAGTCTGA
 GAGTTGGCCCCCGAGGCTGCTTAGGTGTGAAGCAAATGTATAAGAAGTGGACCTCCTGTCTCAGTTG
 AATGAACGGCAAGAAAGGATCATGAACGAAGCCAAGAACTTGA AAAAGACTTAATAGACTGGACAGACG
 GGATTGCCAAGGAAGTTCAAGACATTGTTGAGAAATACCCACTGGAGATTAAGCCCCGAACCAACCCTT
 AGCAGCCATCGACTCTGAGAATGTGGAGAACGACAAGCTCCCTCCCCCTCTGCAGCCTCAGGTGTACGCA
 GGG**TGA**

AC**GGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-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).

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:	NM_019983.2 , NP_064367.1
RefSeq Size:	2843 bp
RefSeq ORF:	1476 bp
Locus ID:	56715
UniProt ID:	Q9J1M3
Cytogenetics:	5 G1.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same isoform (a).</p>