

Product datasheet for **MC227983**

Rabgef1 (NM_001199059) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabgef1 (NM_001199059) 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: >MC227983 representing NM_001199059
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCTGAAGTCCGAACGCAGGGGAATTCATGTGGATCAATCTGAGCTCCTGTGCAAGAAAGGATGCG
GTTACTACGGCAACCCTGCCTGGCAGGGTTTCTGCTCCAAGTGCTGGAGGGAGGAGTACCACAAGGCCCG
GCAGAGGCAGATCCAAGAGGACTGGGAAGTGGCAGAACGACTTCAGCGGGAGGAGGAAGAGGCCCTTCGCG
AGCAGCCAGAGCAGCCAAGGAGCCAGTCCCTCACCTTCTCCAAGTTCGAGGAGAAGAAGACCAATGAGA
AAACCCGAAAAGTCACCACAGTGAAGAAGTTCTTCAGCGCCTCTCCAGAGCTGGATCCAAGAAGGAAAT
TCAGGAAGCCAAAGCTCCAGTCCCTCCATAAACCGGCAAACCAGCATTGAGACGGACCGAGTGACTAAG
GAGTTCATAGACTTTCTCAAGACCTCCACAAGACAGGCCAAGAAGTCTATAAACAGACGAAGATGTTTT
TGGAAGCAATGCCTTATAAAGGGATTTAAGCATCGAGGAACAGTCAGAATGTACTCAGGACTTTTACCA
AAATGTGGCTGAAAGAATGCAGACCCGTGGGAAAGTGCCTCCAGAGAAAGTGGAGAAGATAATGGATCAG
ATCGAAAAGCACATCATGACGCTCTCTATAAATTTGTGTTCTGCCAGAGACTACTGATGATGAGAAGA
AAGATCTCGCCATTCAAAAAGAATCAGGGCCCTGCACTGGGTAACGCCTCAGATGCTCTGTGTCCTGT
CAATGAGGAAATCCCTGAAGTGTCCGACATGGTGGTGAAGCGATCACAGACATCATTGAGATGGACTCA
AAGCGTGTGCCTCGGACAAGCTGGCCTGCATCACCAGGTGCAGCAAGCACATCTTCAATGCCATCAAGA
TCACCAAGAAATGAGCCAGCCTCTGCCGATGACTTCTGCCACCCTGATCTACATCGTCTGAAGGGCAA
CCCCCTCGCCTGCAGTCCAACATCCAGTACATCACTCGCTTCTGCAACCCAGCCGGCTCATGACGGGC
GAGGATGGCTACTACTTACCAACCTGTGCTGTGCTGTGGCTTTCATTGAGAAATTAGACGCCAGTCTT
TGAATTTAAGTCAGGAGGATTTGACCGGTACATGTCTGGCCAGACATCCCCAGGAAGCAGGAGTCTGA
GAGTTGGCCCCCGAGGCTGCTTAGGTGTGAAGCAAATGTATAAGAAGTGGACCTCCTGTCTCAGTTG
AATGAACGGCAAGAAAGGATCATGAACGAAGCCAAAGAACTTGA AAAAGACTTAATAGACTGGACAGACG
GGATTGCCAAGGAAGTTCAAGACATTGTTGAGAAATACCCACTGGAGATTAAGCCCCGAACCAACCCTT
AGCAGCCATCGACTCTGAGAATGTGGAGAACGACAAGCTCCCTCCCCTCTGCAGCCTCAGGTGTACGCA
GGGTGA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_001199059

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001199059.1</u> , <u>NP_001185988.1</u>
RefSeq Size:	2698 bp
RefSeq ORF:	1476 bp
Locus ID:	56715
UniProt ID:	<u>Q9J1M13</u>
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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>