

Product datasheet for **MC200731**

Rab9 (NM_019773) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab9 (NM_019773) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rab9
Synonyms: 2410064E05Rik; AI195561; Rab9a; Sid6061p
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC008160 sequence for NM_019773
 CGGACGCGTGGGCGCTCCCTCTTGGAAAGCGCTCTCGACGTTCCGGAGTCTCTGGCCTTCTCCTGCCTG
 GTTGCACCCAGGCGTGTGGCGAGCCGCCCCAGGACGTCCAGTGTGTGTCTGCAAGATAATGATGCTTG
 AACTGAACTACTAAGGATTCGAAATCAAACTTACATTATTAATAATGGCAGGAAAATCGTCTCTTTTAA
 AAATAATTCTTCTGGAGATGGTGGAGTTGGCAAGAGTCTCTTATGAACAGATATGTAACCAATAAATT
 TGATTCCAGCTCTCCACACAATAGGTGTGGAATTTTTAAATAAAGATCTGGAGGTGGACGGACATTTT
 GTTACCATGCAGATTTGGGACACAGCTGGCCAAGAACGCTTCCGAAGCCTGAGGACGCCATTTTACCGGG
 GTTCTGACTGTTGCCTGCTTACATTTAGTGTGCGATGATTCACAGAGCTTCCAGAATTTGAGCAACTGGAA
 GAAAGAGTTCATATATTACGCAGATGTGAAAGAGCCTGAAAGCTTTCCTTTGTGATTTTGGCAACAAG
 ACTGACATAAAAAGAACGGCAGGTGTCTACAGAAGAAGCCCAAGCCTGGTGAAGGACAACGGCGACTATC
 CTTACTTTGAAACAAGTGCAAAAGATTCCACCAATGTTGCTGCTGCCTTTGAGGAGGCAGTTCGAAGAAT
 TCTGGCCACGGAAGATAGGTGAGAACACCTGATTCAGACAGACACAGTCAATCTGCACCGAAAGCCCAAG
 CCAAACCTCATCTTGTGTTGATGGCATTAAAGGGATAGTTGGTGCATTCTAACCAACACACACACACA
 CACAGAAAGGTGGAGAAACAAATTAGTATGCAGAAGAGTTCATTTACTAATAAAAATTCAGTTAACGCATA
 TTGTTGCCTCATTAGTCGGTGGGAGAAGGGACACTCACTCTGGAGGAATCTATTTACTCAGTAATGGCAC
 GTTCCACTTATAAATTGTAATTGTTGTCTAATGTTTCTTTAAATTAACATTAGTGCTAATAAGATGAC
 CAAGAAGTACTTTACTGTAATTCAGACGACAACCTTGGCTATTCTAGAAGTACACTTAGATTGTTTTGA
 CCCACAAGGAAATGGAAAATTACTTTTATATGTGTATATTTTTATGTAATTAGCATTGTATTCTTGGTCT
 AGGAAAGTAAATTCCTACAGCAGTACTATTAAGATTAATAATCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019773
Insert Size: 606 bp



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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:	BC008160 , AAH08160
RefSeq Size:	1251 bp
RefSeq ORF:	606 bp
Locus ID:	56382
UniProt ID:	Q9R0M6
Cytogenetics:	X F5
Gene Summary:	Involved in the transport of proteins between the endosomes and the trans-Golgi network (By similarity). Involved in the recruitment of SGSM2 to melanosomes and is required for the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (PubMed:26620560).[UniProtKB/Swiss-Prot Function]