

Product datasheet for **MC202888**

Rab1b (NM_029576) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab1b (NM_029576) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab1b
Synonyms:	1110011F09Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016408 sequence for NM_029576
 GGGAGGCGGAGCAGAGCCGACTGGGAGCGACCGAGCGGGCCACCCTGCCGCATGAACCCGAATATGACTACCTGTAAAGCTGCTTTGATTGGTGACTCCGGCGTGGGCAAGTCGTGCCTGCTCTGCGGTTTGGTCTGATGACACTTACACAGAGAGCTACATCAGCACCATCGGTGTGGATTTCAAGATTCGAACCATTGAGCTGGACGGCAAACCATCAAAGTGCAGATTTGGGACACAGCTGGTCAGGAGCGTTTCAGGACCATCACTCCAGCTACTATCGCGGGGCTCATGGCATCATTGTGGTGTATGACGTCACTGACCAGGAGTCTACGCCAACGTGAAACAGTGGCTGCAGGAGATAGATCGCTACGCCAGTGAAGTGTCAATAAACTCCTGGTAGGCAACAAGTGACCTCACCACCAAGAAGTCTGGACAACACCACGGCCAAGGAATTTGCAGACTCTCTGGGTGTCCCCTTCTCGAGACAAGTGCCAAGAATGCCACCAATGTTGAGCAGGCATTATGACAATGGCTGCAGAGATCAAAAAGCGGATGGGGCCAGGAGCAGCGTCTGGGGTGAACGGCCCAACCTGAAGATCGACAGCACCCCTGTGAAGCCTGCTAGCGGTGGCTGCTAGGAGGGGCACTTGGGGAGGGCACCTTGTCCAGATGATGCCCTGGAGCGGGCAGGAAGTGCCTCCCTCTCTAGGGCATTGAGTCTGTAGCTTTGGGGTGTCTGGGCTCCCCTCTCTGGCCATCTGCCTTCTGCTCTGAGTCCCAGTCTGTCAGGGCCCCCTGGAGGACATGCAGAGCCTGTGGCTGGGTGGTACAGGGACAGCTCCGCTGCTGCTCTGGGTACCTTGAAAAGATGCCACCACGCACCTTTCTTTGGAATGAGGGCTCCGCTGTCTGCTCACTACCCCCATGTATGCTGCACTGGGTCTCTCTTTCTTTCTTCCAATAGCAAGGGCCTCCCTGCCTCTGCTGCCCTGGGTGCAGGCAGTAGCCAGGGATTGAGGGCCTCAGATCCAGGGTCTGCATCGGACCTCAGGACAGGTGCCAGGGTGCAGAGCCCCATAGCCACCTTTTCTCATCTCTGCCTCACTCCATCGCTCCCACACAGCTTGAGCCGTCCAGCTGCGGTAGGTCTTGAGCACATCTAGGTAGGTGGGCGGATGGCTGCGGGGCTGTGTCTCAAGCCGGGAGGGAGCTGCTCTGCCTCCCCCTGCCCTGCCTGAGCCAGGCCATGTGCTGCCTGCCACCGAGCCCCCTTTGTCCCTGAGGAAAGCGGAGGCGGAAGGCCACCTTGCCAAAGCCGGGACCAGCCTTAACCCTCACTTGCCACACCCTCCCTTTCCGAGGCAGCACATCTGGCTTGTCTTCTCCATTCTCAGAGCCTGACAGGGCAGAGCTGCTTCTGGGGAATGTGGGTGCAGCTTGGGTTGTGGGGCTTCCCCCTCCAACAGAACTCTGGCCCCACCTCTGGCACAGCTTCTGTAGAAAACCTTTGGTCTTTACCTAAGAAGCCATGTCTTTGTGCTGTCTTGGCAGTCTACCCCTACAACCTGTCTCCCCCTCCAGTGTGTATTTAAGTCCCTGGGCTGCCCTCTGGGAGGGAGCCTTCTCTCCAGGTTCCCCCTCTGATGTCACATCAGGCATCTTGCAAGGAAAGCCACTTGGGGGAAGATGGAAAAGGATGAAAAATAAATTTCCACTGGCCCTTGATAAGCCAAGGGTTTTGCAAGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_029576

Insert Size: 606 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:

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: [BC016408](#), [AAH16408](#)

RefSeq Size: 1859 bp

RefSeq ORF: 606 bp

Locus ID: 76308

UniProt ID: [Q9D1G1](#)

Cytogenetics: 19 A

Gene Summary: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). Plays a role in the initial events of the autophagic vacuole development which take place at specialized regions of the endoplasmic reticulum (By similarity). Regulates vesicular transport between the endoplasmic reticulum and successive Golgi compartments. Promotes the recruitment of lipid phosphatase MTMR6 to the endoplasmic reticulum-Golgi intermediate compartment (By similarity).[UniProtKB/Swiss-Prot Function]