

Product datasheet for **MC206039**

Rab35 (NM_198163) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab35 (NM_198163) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab35
Synonyms:	9530019H02Rik; AU040256; H-ray; RAB1C; RAY
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC056466
 TGTTTCTGTCAAGTTCGGCTGTTTGTTCGGGAAGTGGATCCGCCGCTGCCGGAGCAGCCGGGAGGGAGCT
 GCGGATCGCGAGGCCAGGACCGACCCCGCCCGCCAGCTCGCCTGCCCGCCGCGCGCGCCCGCC
 GCCCGCCCGCCCGCCCGCCATGGCCCGGGACTACGACCACCTCTTCAAGCTGCTCATCATCGGCGACAG
 CGGTGTGGGCAAGAGCAGCTTGTGTTACGATTCGAGATCAACGGGGAGAAGGTGAAGCTGCAGATCTGGGACA
 ATCGGAGTGGATTTCAAGATTCGGACTGTGGAGATCAACGGGGAGAAGGTGAAGCTGCAGATCTGGGACA
 CGGCAGGGCAGGAGCGCTTCCGCACCATCACCTACGTATTATCGGGGGACCCATGGGGTCATTGTGGT
 TTACGACGTCACTAGTGCCGAGTCCTTTGTCAAGTCAAGCGATGGCTTCATGAAATCAACCAGAAGTGT
 GACGATGTGTGCCGAATATTAGTGGGCAATAAGAATGATGACCCTGAGCGGAAGGTGGTAGAGACAGAAG
 ATGCTACAAATTTGCCGGGAGATGGGGATCCAGCTCTTTGAGACCAGTGCCAAGGAGAAGCTCAATGT
 GGAAGAGATGTTCAACTGTATCACAGAGCTGGTCTGCGAGCAAAGAAAGACAACCTGGCGAAACAGCAG
 CAGCAACAACAGAACGATGTGGTGAAGCTCACAAAAACAGTAAACGAAAGAAACGCTGTGCTAATGCC
 CCAGCCCCAGCAGAGACTGCACTGCATCCCTCCAGCCTGAGGCCTGGAGCCTCGGGGGACAGTCTCAG
 TTTAGTCCGTTATTTAAGAATTCGCCACGTTTTTTGTATGGGGAGGCGCCATCGGCACTTCTCCTCC
 CTTTTCCCTTGTAGTCCAAGAAGGTGTTGGACGAGCCCGCCCTTCCCCACGGTGCCTCTTCCCTGCCG
 AGGCGCATGGACCTGGTGAAGGAGCTGCCAGCTGAGTGGACTGATTAACCAAGTTGTACATAGTGTATAT
 TGCAATAACCAAGCTGCACACCCTCAGCCTGCTCTGGCTTTTGGCTCCTTCTGCCAACCTGCTGCAACAG
 ACCCTCCCAGCCCTCCGTCCCAGCTCGACGGCAGCTTCCGGAGGAGCCAACCTCGTGTCTAGCCGAGT
 CTTTGGCCATTATCCCTGGCCATGGAGTGCCTCCACATGGCTCCTACCCTACAGCTGCTCTGGGAGC
 TGGAACTGGCTCCACACAGGCCCTGCCCTCTGCTGGCCGCTAGGCCTTCAAGTCTTCCACAGAGGAA
 CTCAGTCTGCCCTTTTGGACAACAGGTTTCTCATTCTGCCTTCTAGATGCCTCTGCTACAGACCCAGGA
 GAGCCATGGCTTCTCACTTACCAACATGTTTCAGTTCGCGAGAAAGGTAGTGGGACATCTGTAAGAG
 ACGGAGCTCGCAAGGAGGAGCATTTTAAACAAATACAGCCAATGAAGCCAAATCAAATGAAGTTCCT
 CAGGATTTTCCCTTGAGATCTGATTGGCTCAATAGCAAAAGATATGACTGTCCACATCGGGCTCAGTA
 TTTTGTAGAAAAGGTGATGGCTTCTGTTGAGTGCAGGGCTAGGCCTCTCCCTTCCATGGGAAAGCTGG
 CTTTGCACCCTCATACCTGTGTGCTCGAGGGCCTCCCACTGGAGAAAGAAAGTCTGTAATGTAGCACCAG
 GCGCCTGTGCCAGAGCCAGGGTTGCTGGGCTCTGGGAAGGCACCTCAAGCTGGGACCGACTGGTGGTTT
 TTGCATTACTGACAGATGTGTTTTAGTATGAAGGTGGTGAAGATTTTCTAGCCACTGGGAAGAAGCG
 GCAGTGGGGTGGGGCAGCCAGTATTACCTAGCCACCCACTAGGGTGTCTGCATTTGGTTACTCCTCC
 CTTCCCCACACTTGGTCCCCCTTCCCTGAAGGATCACGTAACCTCAGAAGAACTGATTTGGACACATAAT
 GTGTTTTAGATTTTCTTCTAGGCGATTTCCAGGCACAGTCTGACTGGACAATCATCACAGAATACTG
 CAGATTTCCATGTTAACACTGTGGATGGGTTTTCAATCAATAAAACTGGGGCTTCTTCTCAAAAAAAAAA AAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_198163

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: [BC056466](#), [AAH56466](#)

RefSeq Size: 2181 bp

RefSeq ORF: 606 bp

Locus ID: 77407

UniProt ID: [Q6PHN9](#)

Cytogenetics: 5 F

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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in the process of endocytosis and is an essential rate-limiting regulator of the fast recycling pathway back to the plasma membrane. During cytokinesis, required for the postfurling terminal steps, namely for intercellular bridge stability and abscission, possibly by controlling phosphatidylinositol 4,5-bis phosphate (PIP2) and SEPT2 localization at the intercellular bridge. May indirectly regulate neurite outgrowth. Together with TBC1D13 may be involved in regulation of insulin-induced glucose transporter SLC2A4/GLUT4 translocation to the plasma membrane in adipocytes.[UniProtKB/Swiss-Prot Function]