

Product datasheet for **MR202439**

Rab11b (NM_008997) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11b (NM_008997) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab11b
Synonyms:	A730055L17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202439 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCCGGGACGACGAGTACGATTACCTATTCAAAGTGGTGCTTATTGGGGACTCAGGTGTAGGTA
AGAGCAACCTGCTGTACGCTTCACCAGAAACGAATTC AACCTAGAGAGCAAGAGTACCATCGGAGTGGA
GTTCCGCACTCGCAGCATT CAGGTGGACGGCAAGACCATCAAGGCTCAGATCTGGGACACTGCTGGCCAG
GAGCGCTACCGTGCCATTACCTCTGCGTACTACCGTGGTGCAGTGGTGCAGTCTGCTGGTATATGACATTG
CCAAGCACTTGACATATGAGAACGTGGAGCGCTGGCTGAAGGAGCTGCGGGATCATGCAGATAGCAACAT
TGTTCATCATGCTGGTGGCAACAAGAGTGACCTGCGCCACCTTCGGGCTGTGCCACTGATGAGGCCCGT
GCCTTTGCAGAAAAGAACAACCTTGCCTTCATTGAGACCTCAGCCTTGGATTCCACCAATGTAGAGGAAG
CATTCAAGAACATCCTCACAGAAATCTACCGTATTGTGTACAGAAAGCAAATCGCTGACCGTGCAGCCCA
CGATGAGTCCCCTGGCAACAACGTGGTGGACATCAGTGTGCCACCCACCACCGATGGACAGAGACCCAAAC
AAGCTGCAGTCTGCCAGAGCCTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_008997.3](#), [NP_033023.1](#)

RefSeq Size: 6065 bp

RefSeq ORF: 657 bp

Locus ID: 19326

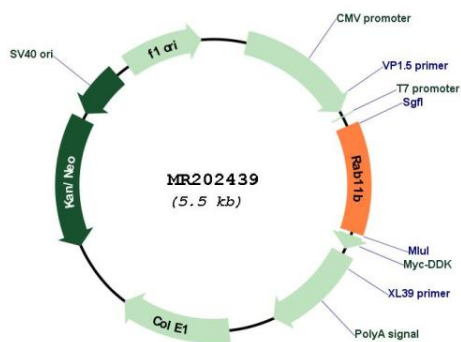
UniProt ID: [P46638](#)

Cytogenetics: 17 17.98 cM

MW: 24.5 kDa

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. The small Rab GTPase RAB11B plays a role in endocytic recycling, regulating apical recycling of several transmembrane proteins including cystic fibrosis transmembrane conductance regulator/CFTR, epithelial sodium channel/ENaC, potassium voltage-gated channel, and voltage-dependent L-type calcium channel. May also regulate constitutive and regulated secretion, like insulin granule exocytosis. Required for melanosome transport and release from melanocytes. Also regulates V-ATPase intracellular transport in response to extracellular acidosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202439