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Product datasheet for MC204653

Rab17 (NM_008998) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab17 (NM_008998) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab17
Synonyms:	AW413472
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC051071 GATGCTTTCTGGTACAGGTGAGACCTGGAAAGGGCTGAAATTCAGGGCTGCAGCTCGGTGAGGAGGCAGA GAGCCACCAAGTGTGACTTCTAGCTTACTCTGACCCAGCTGATCACATGATCATGTGGGGACTTTGCACC GGAGTTTACAGGAAGAGTCCTGCCGGCTGGGGCCTTGGTGGGAGCAGGGGGCCTGCTCACTTCATTTGCT CGGCTGCTGGTAGTCAGTGTGCACTGCTCTGCCCACCCCGCCCCTGGCAGGACCCTGACGAGTCATACAG CACCCAGGGGAAGCACAGCCAGGGGAAGAGAGGGGTGCCTGCGGCCCTGTGGGATGGTGGTCTGTAGCAC TCTTCTAAAGTGAACAGGCCATGGCGCAGGCTGCTGGGCTGCCACAGGCCAGCACTGCTTCTGGCCAGCC CTACGTGAGCAAGCTGGTTCTGCTTGGAAGCAGTTCTGTGGGCAAGACCAGCCTGGCCCTCCGGTACATG AAGCAGGACTTCAGCAATGTCTTGCCGACTGTGGGGTGTGCCTTCTTCACAAAGGTGCTGGACTTGGGCT CCTCATCTCTGAAGCTTGAGATCTGGGACACAGCCGGCCAGGAGAAGTACCAAAGCGTCTGCCACCTCTA CTTCAGGGGTGCCAATGCTGCGCTCCTGGTTTATGACATCACTCGGAAGGATTCCTTTCACAAGGCCCAG CAGTGGCTGGAAGACCTGGAGAAGGAATTCCAGCCAGGAGAGGTGGTGGTGATGCTGGTCGGCAACAAAA CGGATCTGGGCGAGGAGCGGGAAGTGACCTTCCAGGAAGGAAAAGAGTTTGCAGAGAGCAAAAGCTTGCT GTTCATGGAAACCTCCGCCAAGCTGAACTACCAGGTGTCTGAGATCTTCAACACTGTTGCTCAGGAGCTT CTGCAGAGAGCAGGAGACACGGGGAGCAGCCGCCCACAGGAAGGTGAGGCTGTGGCTCTGAACCAGGAAC CTCCCATCAGGCAGCGCCAGTGCTGTGCACGATAGCCGCTGCCACTGCAGGAGAGCTGGCGGAGGACACA TCTCAGCCTGTGCTTCAGAGGGTCCCCAGCCCAAGCTACTACGTCTTTGTGGCAAATCTGCCGGGGCTGC CTCTTTGTCCATTCATGTTCTGTGTCGGAGATGGCTTATGCTTGAGCCCTGGAGGCTTCCAGGCGTTGGT TTTCTCTGTAATCACTGCTTGCCAAAGCTGATGAGAACTGTCTCAGGGAAGATCCAGTGTCAAATGGCTC CCAGAAGACTGTCAGCCCTACCTTACCTGATACCCAGATACTTGGATGCCCTGAGCCAAGTGTGCCTGCT CCTCCTGGGCTGTCCCTTTCAGCTTCCTTGTGACCAGCACAGAGAGCTAAATGAAGCAGAGAAGCAGCAT GGACTGGGAAAAGCCTTTGATCCGTGGGATGGGAGGACAGATGCTTCCTCCTGGGGCAGCATCCATAACT GGACCACTTTCGTTCTGGGAACTGTCAGGGGGAGAGAAGGGGCATCAATGCAAGGAAAAATGCAGAGATG AGCCCAAGAGAAAAACGAGCCCAAGGTGCTAAGTCTCAGTGAGGTGACGCAGGAGAGACAGAGTCTGAAA GGGTGGCTGGGATGGAAGTGTCCCCCTTCCAGCGGTGGATGGACAGAGCCAGGTTTCTACCTAGTGATCT GAGGACTCTAAAACCCCTGTCCCGAGATGAACACCGTGTTGTCTCATGTCCTTCTCTCCAAATATTAAAC GTCTTGACAATCCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	RsrII-NotI
ACCN:	NM_008998
Insert Size:	645 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:	BC051071, AAH51071
RefSeq Size:	1801 bp
RefSeq ORF:	645 bp
Locus ID:	19329
UniProt ID:	P35292
Cytogenetics:	1 45.84 cM
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. That Rab is involved in transcytosis, the directed movement of endocytosed material through the cell and its exocytosis from the plasma membrane at the opposite side. Mainly observed in epithelial cells, transcytosis mediates for instance, the transcellular transport of immunoglobulins from the basolateral surface to the apical surface. Most probably controls membrane trafficking through apical recycling endosomes in a post-endocytic step of transcytosis. Required for melanosome transport and release from melanocytes, it also regulates dendrite and dendritic spine development. May also play a role in cell migration.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.