

Product datasheet for MR218479

Rab31 (NM_133685) Mouse Tagged ORF Clone

Product data:

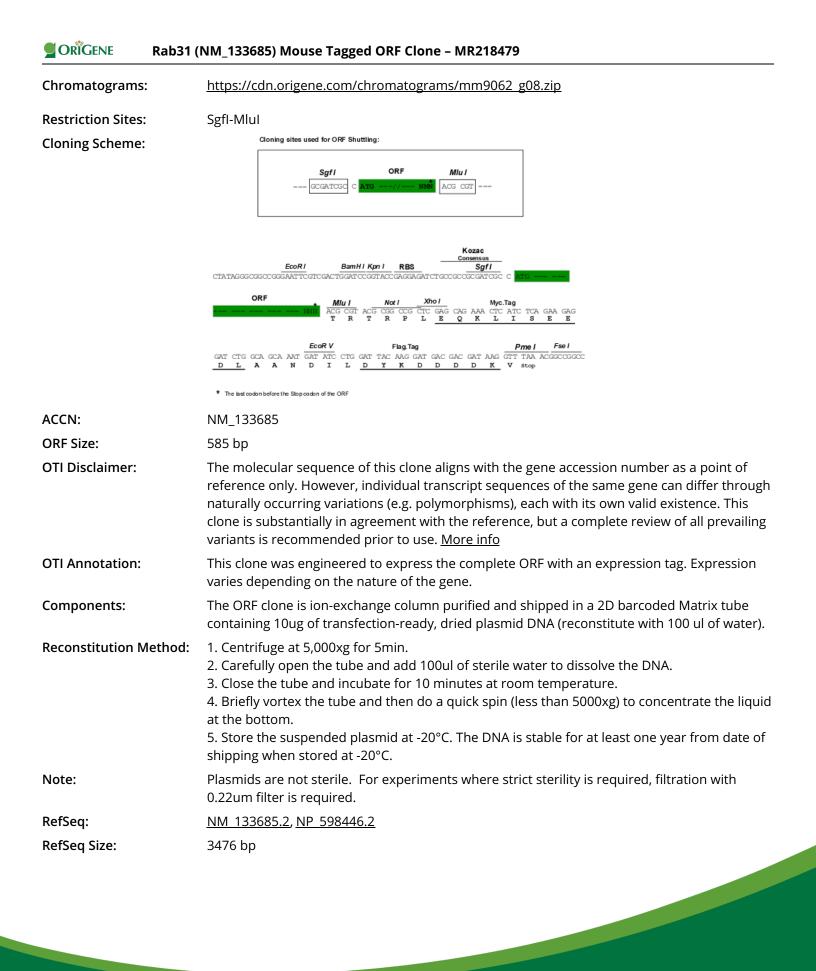
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Rab31 (NM_133685) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab31
Synonyms:	1700093E07Rik; Al415285; Rab22B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218479 representing NM_133685 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGGCGATACGGGAGCTCAAAGTGTGTCTTCTCGGGGACACGGGGGTTGGGAAATCCAGCATTGTGT GTCGTTTTGTCCAGGATCACTTTGACCACAACATCAGCCCCACTATTGGGGCATCTTTCATGACCAAAAC CGTGCCTTGTGGAAATGAACTTCACAAATTCCTCATCTGGGACACCGCTGGCCAGGAGCGGTTCCACTCC CTGGCTCCTATGTACTACCGAGGATCTGCTGCAGCCGTCATCGTCTATGACATCACTAAGCAGGATTCAT TTCATACCTTGAAAAATGGGTCAAGGAGCTGAAGGAGCACGGCCCAGAAAACATTGTGATGGCGATTGC TGGGAACAAGTGTGACCTCTCTGATATTAGGGAGGTGCCCCTGAAGGACGCTAAGGAGTACGCTGAATCC ATAGGTGCCATCGTGGTGGAGACCAGCGCGAAGAATGCCATTAACATCGAGGAGCTCTTTCAAGGAATCA GCCGCCAGATCCCACCCTTGGGCCCTCAGGAAAATGGAAAACAGCGGGGGGATCAAGCTTGGGAATCAGAG CTTGCAAGCCAGCCGTCGGTGCTGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR218479 representing NM_133685 <mark>Red</mark> =Cloning site Green=Tags(s)
	MMAIRELKVCLLGDTGVGKSSIVCRFVQDHFDHNISPTIGASFMTKTVPCGNELHKFLIWDTAGQERFHS LAPMYYRGSAAAVIVYDITKQDSFHTLKKWVKELKEHGPENIVMAIAGNKCDLSDIREVPLKDAKEYAES IGAIVVETSAKNAINIEELFQGISRQIPPLGPQENGNSGGIKLGNQSLQASRRCC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



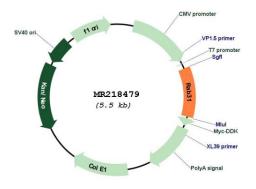
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	Rab31 (NM_133685) Mouse Tagged ORF Clone – MR218479
RefSeq ORF:	588 bp
Locus ID:	106572
UniProt ID:	<u>Q921E2</u>
Cytogenetics:	17 E1.1
MW:	21.5 kDa
Gene Summary:	The small GTPases Rab are key regulators of intracellular membrane trafficking, from 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. Required for the integrity and for normal function of the Golgi apparatus and the trans-Golgi network. Plays a role in insulin-stimulated translocation of GLUT4 to the cell membrane. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium (By similarity). Plays a role in M6PR transport from the trans-Golgi network to endosomes. Plays a role in the internalization of EGFR from the cell membrane into endosomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218479

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