

Product datasheet for RC210510

RAB21 (NM_014999) Human Tagged ORF Clone

Product data:

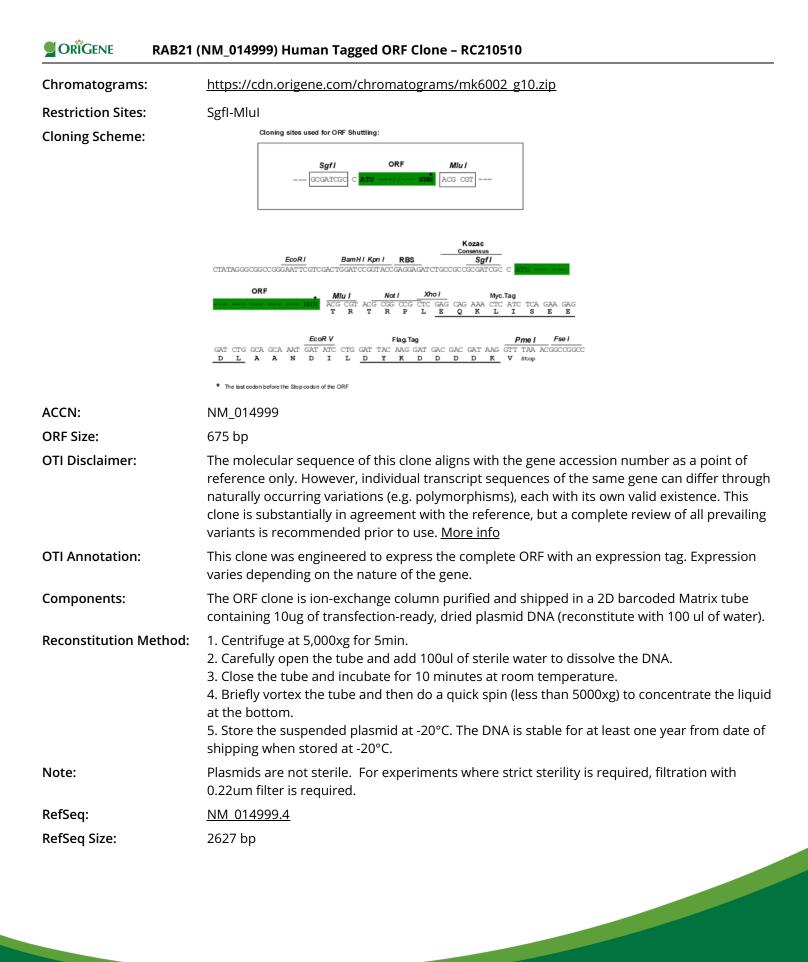
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	RAB21 (NM_014999) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC210510 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCTGCGGCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC210510 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MAAAGGGGGGAAAAGRAYSFKVVLLGEGCVGKTSLVLRYCENKFNDKHITTLQASFLTKKLNIGGKRVNL AIWDTAGQERFHALGPIYYRDSNGAILVYDITDEDSFQKVKNWVKELRKMLGNEICLCIVGNKIDLEKER HVSIQEAESYAESVGAKHYHTSAKQNKGIEELFLDLCKRMIETAQVDERAKGNGSSQPGTARRGVQIIDD EPQAQTSGGGCCSSG
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



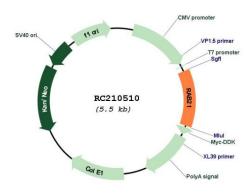
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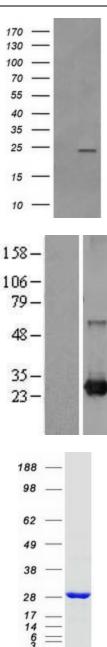
	RAB21 (NM_014999) Human Tagged ORF Clone – RC210510
RefSeq ORF:	678 bp
Locus ID:	23011
UniProt ID:	<u>Q9UL25</u>
Cytogenetics:	12q21.1
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families	Druggable Genome
MW:	24.3 kDa
Gene Summary:	This gene belongs to the Rab family of monomeric GTPases, which are involved in the control of cellular membrane traffic. The encoded protein plays a role in the targeted trafficking of integrins via its association with integrin alpha tails. As a consequence, the encoded protein is involved in the regulation of cell adhesion and migration. Expression of this gene is associated with a poor prognosis for glioma patients. This gene is downregulated by the tumor suppressor miR-200b, and miRNA-200b is itself downregulated in glioma tissues. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC210510

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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RAB21 (Cat# RC210510, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RAB21(Cat# [TA505747]). Positive lysates [LY402398] (100ug) and [LC402398] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY402398]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210510 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RAB21 protein (Cat# [TP310510]). The protein was produced from HEK293T cells transfected with RAB21 cDNA clone (Cat# RC210510) using MegaTran 2.0 (Cat# [TT210002]).

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