

Product datasheet for RC200431

RAB7L1 (RAB29) (NM_003929) Human Tagged ORF Clone

Product data:

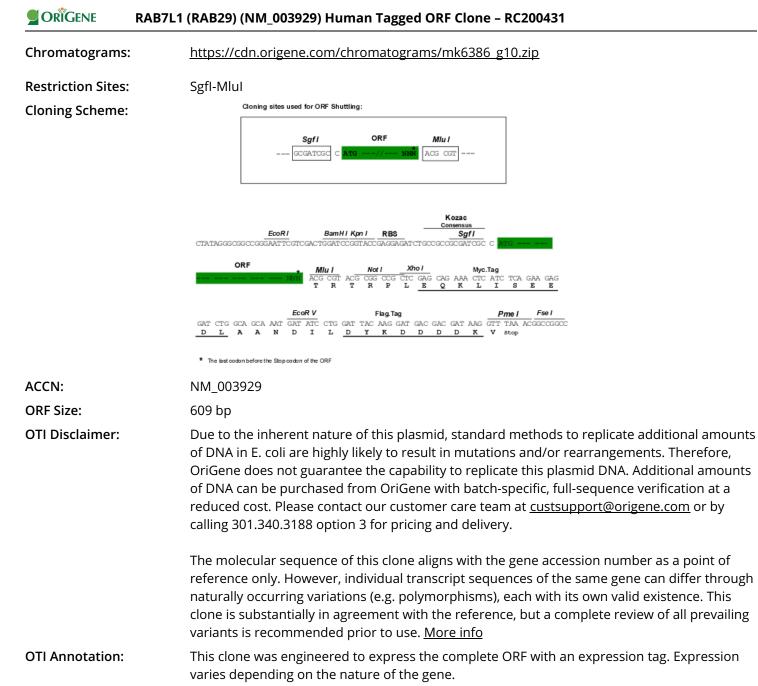
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	RAB7L1 (RAB29) (NM_003929) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB7L1
Synonyms:	RAB7L; RAB7L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC200431 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGCAGCCGCGACCACCTGTTCAAAGTGCTGGTGGTGGGGGACGCCGCAGTGGGCAAGACGTCGCTGG TGCAGCGATATTCCCAGGACAGCTTCAGCAAACACTACAAGTCCACGGTGGGAGTGGATTTTGCTCTGAA GGTTCTCCAGTGGTCTGACTACGAGATAGTGCGGCTTCAGCTGTGGGATATTGCAGGGCAGGAGCGCTTC ACCTCTATGACACGATTGTATTATCGGGATGCCTCTGCCTGTGTTATTATGTTTGACGTTACCAATGCCA CTACCTTCAGCAACAGCCAGAGGTGGAAACAGGACCTAGACAGCAAGCTCACACTACCCAATGGAGAGCC GGTGCCCTGCCTGCTCTTGGCCAACAAGTGTGATCTGTCCCCTTGGGCAGTGAGCCGGGACCAGATTGAC CGGTTCAGTAAAGAGAACGGTTTCACAGGTTGGACAGAAACATCAGTCAAGGAGAACAAAAATATTAATG AGGCTATGAGAGTCCTCATTGAAAAGATGATGAGAAATTCCACAGAAGATATCATGTCTTTGTCCACCCA AGGGGACTACATCAATCTACAAACCAAGTCCTCCAGCTGGTCCTGCCTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC200431 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MGSRDHLFKVLVVGDAAVGKTSLVQRYSQDSFSKHYKSTVGVDFALKVLQWSDYEIVRLQLWDIAGQERF TSMTRLYYRDASACVIMFDVTNATTFSNSQRWKQDLDSKLTLPNGEPVPCLLLANKCDLSPWAVSRDQID RFSKENGFTGWTETSVKENKNINEAMRVLIEKMMRNSTEDIMSLSTQGDYINLQTKSSSWSCC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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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).

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GRIGENE RAB7L1 (RAB29) (NM_003929) Human Tagged ORF Clone – RC200431

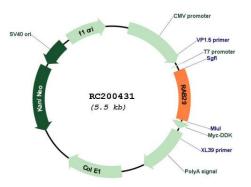
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 003929.3</u>
RefSeq Size:	3324 bp
RefSeq ORF:	612 bp
Locus ID:	8934
UniProt ID:	<u>O14966</u>
Cytogenetics:	1q32.1
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
MW:	23.2 kDa
Gene Summary:	Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar

Typhi (S.Typhi) epithelial cell infection.[UniProtKB/Swiss-Prot Function]

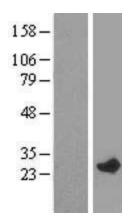
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Product images:

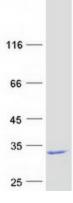


Circular map for RC200431



Western blot validation of overexpression lysate (Cat# [LY427656]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227093] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified RAB29 protein (Cat# [TP300431]). The protein was produced from HEK293T cells transfected with RAB29 cDNA clone (Cat# RC200431) using MegaTran 2.0 (Cat# [TT210002]).

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