

Product datasheet for RC202572

Rab4 (RAB4A) (NM_004578) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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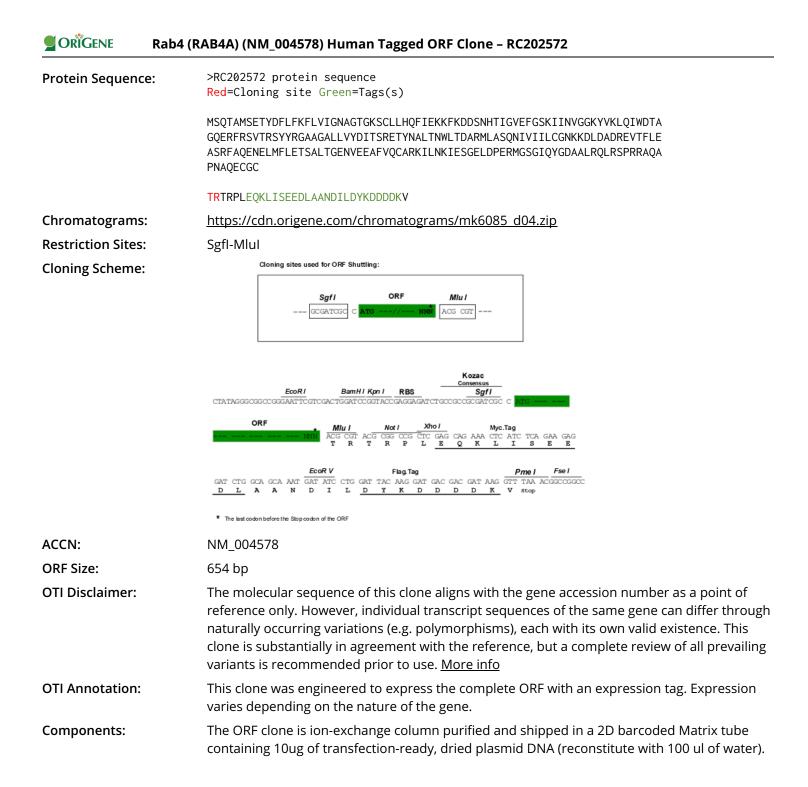
Product Type:	Expression Plasmids
Product Name:	Rab4 (RAB4A) (NM_004578) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab4
Synonyms:	HRES-1; HRES-1/RAB4; HRES1; RAB4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC202572 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGCC</mark>

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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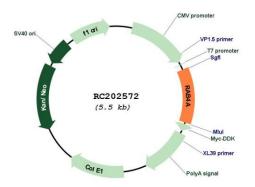


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Section 2012 CRIGENE Rab4 (RAB4A) (NM_004578) Human Tagged ORF Clone – RC202572

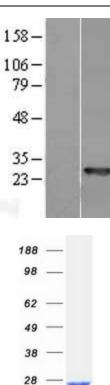
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM 004578.4</u>
RefSeq Size:	3056 bp
RefSeq ORF:	657 bp
Locus ID:	5867
UniProt ID:	<u>P20338</u>
Cytogenetics:	1q42.13
Domains:	ras, RAN, RAS, RHO, RAB, ARF
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
MW:	24.4 kDa
Gene Summary:	This gene is a member of the largest group in the Ras superfamily of small GTPases, which regulate membrane trafficking. The encoded protein is associated with early endosomes and is involved in their sorting and recycling. The protein also plays a role in regulating the recycling of receptors from endosomes to the plasma membrane. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RC202572

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Western blot validation of overexpression lysate (Cat# [LY401450]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202572 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RAB4A protein (Cat# [TP302572]). The protein was produced from HEK293T cells transfected with RAB4A cDNA clone (Cat# RC202572) using MegaTran 2.0 (Cat# [TT210002]).

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