

## **Product datasheet for RC205647**

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OriGene Technologies, Inc.

## RAB24 (NM\_001031677) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: RAB24 (NM\_001031677) Human Tagged ORF Clone

Tag:Myc-DDKSymbol:RAB24

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >RC205647 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAG**GTTTAA** 

Protein Sequence: >RC205647 protein sequence

Red=Cloning site Green=Tags(s)

MSGQRVDVKVVMLGKEYVGKTSLVERYVHDRFLVGPYQNTIGAAFVAKVMSVGDRTVTLGIWDTAGSERY EAMSRIYYRGAKAAIVCYDLTDSSSFERAKFWVKELRSLEEGCQIYLCGTKSDLLEEDRRRRRVDFHDVQ DYADNIKAQLFETSSKTGQSVDELFQKVAEDYVSVAAFQVMTEDKGVDLGQKPNPYFYSCCHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

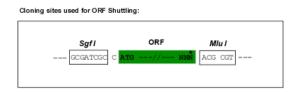
Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6420">https://cdn.origene.com/chromatograms/mk6420</a> g12.zip

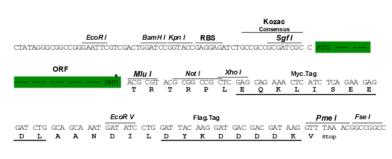




**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001031677

ORF Size: 609 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001031677.4</u>

RefSeq Size: 1632 bp RefSeq ORF: 612 bp



**Locus ID:** 53917

UniProt ID: Q969Q5

**Cytogenetics:** 5q35.3

**Protein Families:** Druggable Genome

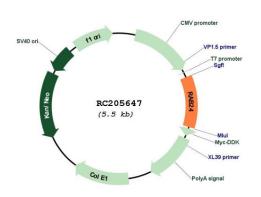
MW: 23.1 kDa

Gene Summary: RAB24 is a small GTPase of the Rab subfamily of Ras-related proteins that regulate

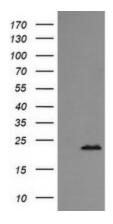
intracellular protein trafficking (Olkkonen et al., 1993 [PubMed 8126105]).[supplied by OMIM,

Aug 2009]

## **Product images:**

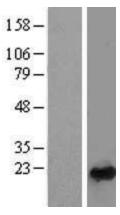


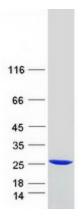
Circular map for RC205647



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RAB24 (Cat# RC205647, 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-RAB24(Cat# [TA505690]). Positive lysates [LY422221] (100ug) and [LC422221] (20ug) can be purchased separately from OriGene.







Western blot validation of overexpression lysate (Cat# [LY422221]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205647 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RAB24 protein (Cat# [TP305647]). The protein was produced from HEK293T cells transfected with RAB24 cDNA clone (Cat# RC205647) using MegaTran 2.0 (Cat# [TT210002]).