

Product datasheet for RC202572L2

OriGene Technologies, Inc.

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Rab4 (RAB4A) (NM_004578) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rab4 (RAB4A) (NM_004578) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: Rab4

Synonyms: HRES-1; HRES-1/RAB4; HRES1; RAB4

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202572).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004578

ORF Size: 654 bp





Rab4 (RAB4A) (NM_004578) Human Tagged Lenti ORF Clone - RC202572L2

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.

RefSeq: <u>NM 004578.2</u>

RefSeq Size: 3056 bp
RefSeq ORF: 657 bp
Locus ID: 5867
UniProt ID: P20338

Cytogenetics: 1q42.13

Domains: ras, RAN, RAS, RHO, RAB, ARF

Protein Families: Druggable Genome

Protein Pathways: Endocytosis MW: 24.4 kDa

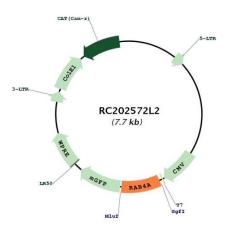
Gene Summary: This gene is a member of the largest group in the Ras superfamily of small GTPases, which

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 RC202572L2