

Product datasheet for RR204454L3

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OriGene Technologies, Inc.

Rab34 (NM_001012140) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rab34 (NM 001012140) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: Rab34

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF inser

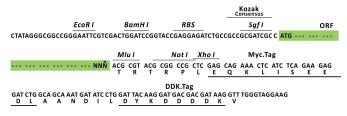
Sequence:

The ORF insert of this clone is exactly the same as(RR204454).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001012140

ORF Size: 777 bp



Rab34 (NM_001012140) Rat Tagged Lenti ORF Clone - RR204454L3

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 001012140.1</u>, <u>NP 001012140.1</u>

RefSeq Size: 1326 bp
RefSeq ORF: 780 bp
Locus ID: 360571
UniProt ID: Q5U1Y1
Cytogenetics: 10q25

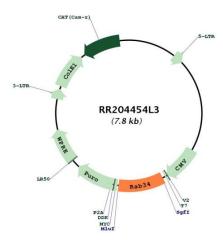
Gene Summary: Protein transport. Plays a role in the maturation of phagosomes that engulf pathogens, such

as S.aureus and Mycobacterium. Plays a role in the fusion of phagosomes with lysosomes. Involved in the redistribution of lysosomes to the peri-Golgi region. Acts also as a positive regulator of hedgehog signaling and regulates ciliary function. [UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for RR204454L3