

Product datasheet for RC200431L4V

OriGene Technologies, Inc.

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RAB7L1 (RAB29) (NM_003929) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: RAB7L1 (RAB29) (NM_003929) Human Tagged ORF Clone Lentiviral Particle

Symbol: RAB7L1

Synonyms: RAB7L; RAB7L1

Mammalian Cell

Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_003929

ORF Size: 609 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200431).

Sequence:

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.

RefSeg: NM 003929.1

 RefSeq Size:
 3324 bp

 RefSeq ORF:
 612 bp

 Locus ID:
 8934

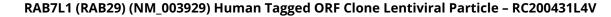
 UniProt ID:
 014966

Cytogenetics: 1q32.1

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome





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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]