

## Product datasheet for **RC227110L4V**

### **RAB7L1 (RAB29) (NM\_001135664) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RAB7L1 (RAB29) (NM_001135664) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAB29
Synonyms:	RAB7L; RAB7L1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135664
ORF Size:	612 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227110).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001135664.1</a> , <a href="#">NP_001129136.1</a>
RefSeq Size:	3070 bp
RefSeq ORF:	396 bp
Locus ID:	8934
UniProt ID:	<a href="#">O14966</a>
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome
MW:	23.2 kDa



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**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]