

## Product datasheet for **RC201555L2V**

### **RAB13 (NM\_002870) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	RAB13 (NM_002870) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAB13
Synonyms:	GIG4
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002870
ORF Size:	609 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201555).
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_002870.2</a>
RefSeq Size:	1235 bp
RefSeq ORF:	612 bp
Locus ID:	5872
UniProt ID:	<a href="#">P51153</a>
Cytogenetics:	1q21.3
Domains:	ras, RAN, RAS, RHO, RAB, ARF
Protein Families:	Druggable Genome


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**Protein Pathways:** Tight junction

**MW:** 22.8 kDa

**Gene Summary:** This gene is a member of the Rab family of small G proteins and plays a role in regulating membrane trafficking between trans-Golgi network (TGN) and recycling endosomes (RE). The encoded protein is involved in the assembly of tight junctions, which are components of the apical junctional complex (AJC) of epithelial cells. The AJC plays a role in forming a barrier between luminal contents and the underlying tissue. Additional functions associated with the protein include endocytic recycling of occludin, regulation of epithelial cell scattering, neuronal regeneration and regulation of neurite outgrowth. Alternately spliced transcript variants have been observed for this gene. A pseudogene associated with this gene is located on chromosome 12. [provided by RefSeq, Jan 2013]