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Product datasheet for RC211472L4V

RAB12 (NM_001025300) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RAB12 (NM_001025300) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAB12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001025300
ORF Size:	732 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211472).
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.
RefSeq:	NM_001025300.2, NP_001020471.2
RefSeq Size:	2138 bp
RefSeq ORF:	735 bp
Locus ID:	201475
UniProt ID:	Q6IQ22
Cytogenetics:	18p11.22
MW:	27.1 kDa

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Gene Summary: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy (By similarity).[UniProtKB/Swiss-Prot Function]