

Product datasheet for **RC214983L4V**

RAB3GAP2 (NM_012414) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RAB3GAP2 (NM_012414) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAB3GAP2
Synonyms:	p150; RAB3-GAP150; RAB3GAP150; SPG69; WARBM2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012414
ORF Size:	4179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214983).
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_012414.2
RefSeq Size:	5129 bp
RefSeq ORF:	4182 bp
Locus ID:	25782
UniProt ID:	Q9H2M9
Cytogenetics:	1q41
MW:	155.8 kDa


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Gene Summary:

The protein encoded by this gene belongs to the RAB3 protein family, members of which are involved in regulated exocytosis of neurotransmitters and hormones. This protein forms the Rab3 GTPase-activating complex with RAB3GAP1, where it constitutes the regulatory subunit, whereas the latter functions as the catalytic subunit. This gene has the highest level of expression in the brain, consistent with it having a key role in neurodevelopment. Mutations in this gene are associated with Martsolf syndrome.[provided by RefSeq, Oct 2009]