

## Product datasheet for **RC210812L4V**

### **RASAL1 (NM\_004658) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RASAL1 (NM_004658) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RASAL1
Synonyms:	RASAL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004658
ORF Size:	2412 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210812).
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_004658.1</a> , <a href="#">NP_004649.1</a>
RefSeq Size:	3841 bp
RefSeq ORF:	2415 bp
Locus ID:	8437
UniProt ID:	<a href="#">O95294</a>
Cytogenetics:	12q24.13
MW:	90 kDa



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**Gene Summary:**

The protein encoded by this gene is member of the GAP1 family of GTPase-activating proteins. These proteins stimulate the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. This particular family member contains domains which are characteristic of the GAP1 subfamily of RasGAP proteins but, in contrast to the other GAP1 family members, this protein is strongly and selectively expressed in endocrine tissues. Alternatively spliced transcript variants that encode different isoforms have been described [provided by RefSeq, Jul 2010]