

Product datasheet for **RC221671L4V**

GRF2 (RAPGEF1) (NM_005312) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GRF2 (RAPGEF1) (NM_005312) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GRF2
Synonyms:	C3G; GRF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005312
ORF Size:	3231 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221671).
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_005312.2
RefSeq Size:	6121 bp
RefSeq ORF:	3234 bp
Locus ID:	2889
UniProt ID:	Q13905
Cytogenetics:	9q34.13
Domains:	RasGEFN, RasGEF
Protein Families:	Druggable Genome



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Protein Pathways: Focal adhesion, Insulin signaling pathway, Neurotrophin signaling pathway, Renal cell carcinoma

MW: 120.4 kDa

Gene Summary: This gene encodes a human guanine nucleotide exchange factor. It transduces signals from CRK by binding the SH3 domain of CRK, and activating several members of the Ras family of GTPases. This signaling cascade that may be involved in apoptosis, integrin-mediated signal transduction, and cell transformation. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]