

Product datasheet for **RC223580L4V**

RASGRF2 (NM_006909) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RASGRF2 (NM_006909) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RASGRF2
Synonyms:	GRF2; RAS-GRF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006909
ORF Size:	3711 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223580).
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_006909.1
RefSeq Size:	4078 bp
RefSeq ORF:	3714 bp
Locus ID:	5924
UniProt ID:	O14827
Cytogenetics:	5q14.1
Protein Pathways:	MAPK signaling pathway
MW:	140.6 kDa



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Gene Summary:

RAS GTPases cycle between an inactive GDP-bound state and an active GTP-bound state. This gene encodes a calcium-regulated nucleotide exchange factor activating both RAS and RAS-related protein, RAC1, through the exchange of bound GDP for GTP, thereby, coordinating the signaling of distinct mitogen-activated protein kinase pathways. [provided by RefSeq, Oct 2011]