

Product datasheet for **MR226568L4V**

Rasgrf2 (NM_009027) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rasgrf2 (NM_009027) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rasgrf2
Synonyms:	6330417G04Rik; AW048350; Grf2; Ras-GRF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009027
ORF Size:	3567 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226568).
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_009027.3
RefSeq Size:	7595 bp
RefSeq ORF:	3570 bp
Locus ID:	19418
UniProt ID:	P70392
Cytogenetics:	13 47.43 cM



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Gene Summary:

Functions as a calcium-regulated nucleotide exchange factor activating both Ras and RAC1 through the exchange of bound GDP for GTP. Preferentially activates HRAS in vivo compared to RRAS based on their different types of prenylation. Functions in synaptic plasticity by contributing to the induction of long term potentiation.[UniProtKB/Swiss-Prot Function]