

Product datasheet for **MR211903L4V**

Plcg1 (NM_021280) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plcg1 (NM_021280) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Plcg1
Synonyms:	AI894140; Cded; Plc-1; Plc-gamma1; Plcg-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021280
ORF Size:	3906 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211903).
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_021280.3 , NP_067255.2
RefSeq Size:	4435 bp
RefSeq ORF:	3909 bp
Locus ID:	18803
UniProt ID:	Q62077
Cytogenetics:	2 80.97 cM



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Gene Summary:

Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.[UniProtKB/Swiss-Prot Function]