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Product datasheet for MR200976L3V

Pla2g2a (NM_001082531) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pla2g2a (NM_001082531) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pla2g2a
Synonyms:	EF; Mom1; Pla2; sPLA2; sPla2-IIA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001082531
ORF Size:	441 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR200976).`
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_001082531.1, NP_001076000.1
RefSeq Size:	793 bp
RefSeq ORF:	441 bp
Locus ID:	18780
UniProt ID:	P31482
Cytogenetics:	4 70.57 cM

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Gene Summary: Proteins belonging to the phospholipase A2 (PLA2) family hydrolyze phospholipids into sn2 fatty acids and lysophospholipids. They function in a variety of cellular processes, including the digestion of phospholipids and the production of molecules that induce inflammatory responses. This gene encodes a member of the group II class of secretory PLA2s. The secreted enzyme binds to heparin on the cell surface. Mutations in this gene increase the occurrence of intestinal polyps caused by a dominant mutation in the adenomatosis polyposis coli gene. A frameshift inactivates this gene product in some mouse strains including the strain of the reference genome, C57BL/6J, whereas a functional protein is produced in other strains. [provided by RefSeq, Jul 2008]