

Product datasheet for **RC230716L4V**

Phospholipase A2 (PLB1) (NM_001170585) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Phospholipase A2 (PLB1) (NM_001170585) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PLB1
Synonyms:	PLB; PLB/LIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001170585
ORF Size:	4341 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230716).
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_001170585.1 , NP_001164056.1
RefSeq ORF:	4344 bp
Locus ID:	151056
UniProt ID:	Q6P1J6
Cytogenetics:	2p23.2
Protein Families:	Transmembrane
MW:	162.2 kDa



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Gene Summary:

This gene encodes a membrane-associated phospholipase that displays lysophospholipase and phospholipase A2 activities through removal of sn-1 and sn-2 fatty acids of glycerophospholipids. In addition, it displays lipase and retinyl ester hydrolase activities. The encoded protein is highly conserved and is composed of a large, glycosylated extracellular domain composed of four tandem homologous domains, followed by a hydrophobic segment that anchors the enzyme to the membrane and a short C-terminal cytoplasmic tail. This gene has been identified as a candidate rheumatoid arthritis risk gene. [provided by RefSeq, Jul 2016]