Recombinant Human PLPP3 protein, His & T7-tagged

Cat. No. PLPP3-1679H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLPP3 aa. (Ser57~Ser194 (Accession # O14495)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser57~Ser194
Description	The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is a membrane glycoprotein localized at the cell plasma membrane. It has been shown to actively hydrolyze extracellular lysophosphatidic acid and short-chain phosphatidic acid. The expression of this gene is found to be enhanced by epidermal growth factor in Hela cells.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

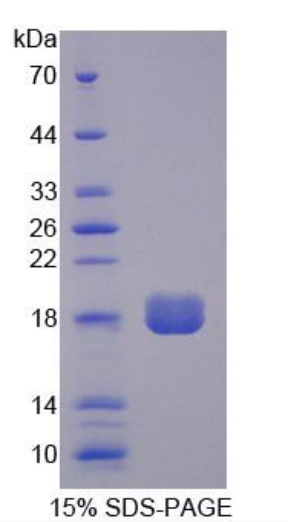
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	9

GENE INFORMATION

Gene Name	PLPP3 phospholipid phosphatase 3 [Homo sapiens (human)]
Official Symbol	PLPP3
Synonyms	PLPP3; phospholipid phosphatase 3; LPP3; VCIP; Dri42; PAP2B; PPAP2B; phospholipid phosphatase 3; PAP2 beta; lipid phosphate phosphohydrolase 3; phosphatidate phosphohydrolase type 2b; phosphatidic acid phosphatase type 2B; type-2 phosphatidic acid phosphatase-beta; vascular endothelial growth factor and type I collagen inducible
Gene ID	8613

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mRNA Refseq	NM_003713.4
Protein Refseq	NP_003704.3
UniProt ID	O14495
SDS-PAGE	 15% SDS-PAGE

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