Recombinant Rat Pla2g2a protein, His & GST-tagged

Cat. No. Pla2g2a-8259R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pla2g2a aa. (Ser22~Cys146 (Accession # P14423)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ser22~Cys146
Description	Hydrolyzes acyl group at the sn-2 position of phospholipids, forming non-esterified fatty acids and lysophospholipids; plays a critical role in inflammation; induces proliferation of smooth muscle cells.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.6.
Applications	SDS-PAGE; WB; ELISA; IP.

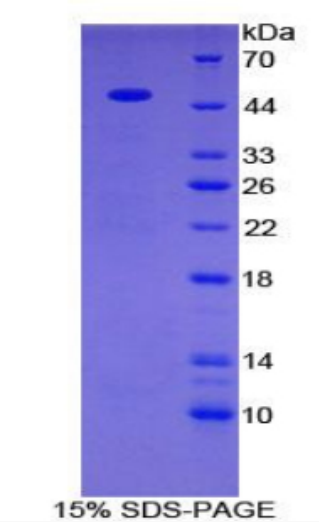
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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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 PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Pla2g2a phospholipase A2 group IIA [Rattus norvegicus (Norway rat)]
Official Symbol	Pla2g2a
Gene ID	29692
mRNA Refseq	NM_031598.3
Protein Refseq	NP_113786.3
UniProt ID	P14423

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SDS-PAGE	

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