

Recombinant Rat Pla2g7 Protein, His-tagged

Cat. No. Pla2g7-1184R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pla2g7 Protein (Leu22-Asn440) with His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Leu22-Asn440
Description	<p>Predicted to enable 1-alkyl-2-acetyl-glycerophosphocholine esterase activity; calcium-independent phospholipase A2 activity; and phospholipid binding activity. Predicted to be involved in several processes, including glycerophospholipid catabolic process; plasma lipoprotein particle remodeling; and positive regulation of monocyte chemotaxis.</p> <p>Located in cytoplasm and extracellular space. Biomarker of nephrotic syndrome. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); glomerulonephritis (multiple); hemolytic-uremic syndrome; proteinuria (multiple); and type 2 diabetes mellitus. Orthologous to human PLA2G7 (phospholipase A2 group VII).</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.6 kDa; Accurate Molecular Mass: 60 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pla2g7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pla2g7
Synonyms	PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); platelet-activating factor acetylhydrolase; MGC95107;
Gene ID	301265
mRNA Refseq	NM_001009353
Protein Refseq	NP_001009353

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UniProt ID

Q5M7T7

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