

Recombinant Human PLA2G15 Protein, His-tagged

Cat. No. PLA2G15-2592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G15 Protein (Ser132-Pro412) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser132-Pro412
Description	Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.7 kDa Accurate Molecular Mass: 36 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PLA2G15 phospholipase A2, group XV [Homo sapiens (human)]
Official Symbol	PLA2G15
Synonyms	PLA2G15; phospholipase A2, group XV; LYPLA3, lysophospholipase 3 (lysosomal phospholipase A2); group XV phospholipase A2; GXVPLA2; LLPL; 1-O-acylceramide synthase; lysosomal phospholipase A2; LCAT-like lysophospholipase; lysophospholipase 3 (lysosomal phospholipase A2); ACS; LPLA2; LYPLA3; DKFZp564A0122;
Gene ID	23659
mRNA Refseq	NM_012320
Protein Refseq	NP_036452

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MIM	609362
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UniProt ID	Q8NCC3
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