

Active Recombinant Human PLA2G7, His-tagged

Cat. No. PLA2G7-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G7 (Accession # AAH38452) Met33-Asn441 & Leu45-Asn441, fused with a C-terminal 6-His tag, was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	33-441;45-441 a.a.
Predicted N Terminal	Met33 & Leu45
Form	Supplied as a 0.2 µm filtered solution in Sodium Acetate, NaCl and Glycerol.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, 1-O-hexadecyl-2-deoxy-2-thio-S-acetyl-sn-glycerol-3-phosphorylcholine (2-Thio-PAF), in the presence of 5,5"-Dithio-bis(2-nitrobenzoic acid) (DTNB). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. Stewart, A.G. et al. (1991) J. Lipid Mediat 4:299. Aarsman, A.J. et al. (1991) Eur. J. Biochem 200:187. The specific activity is >9,000 pmol/min/ug, as measured under the described condition.
Molecular Mass	Recombinant Human PLA2G7, His-tagged has a calculated MW of 46 kDa. In SDS-PAGE migrates as 42 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
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GENE INFORMATION

Gene Name	PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [Homo sapiens]
Official Symbol	PLA2G7
Synonyms	PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); platelet-activating factor acetylhydrolase; LDL PLA2; PAFAH; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetyl-glycerophosphocholine esterase; 2-acetyl-1-alkyl-glycerophosphocholine esterase; PAFAD; LP-PLA2; LDL-PLA2;
Gene ID	7941
mRNA Refseq	NM_001168357
Protein Refseq	NP_001161829
MIM	601690
UniProt ID	Q13093
Chromosome Location	6p21.2-p12

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