

Recombinant Human PLA2G7 Protein, His-tagged

Cat. No. PLA2G7-089H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal hexahistidine-tagged full length human PLA2G7 protein (42-441) was expressed in E. coli
Species	Human
Source	E.coli
ProteinLength	42-441
Description	The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are a cause of platelet-activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	46.4 kDa
Purity	≥85% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 μmol of TNB per minute at 37 centigrade in buffer containing 100mM Tris-HCl, pH7.2, and 300 μM of the substrate 2-thio PAF.
Stability	≥ 2 year
Storage	At -80 centigrade.

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Storage Buffer 50 mM sodium phosphate pH 7.2, 100 mM NaCl, 20% glycerol

GENE INFORMATION

Gene Name PLA2G7 phospholipase A2 group VII [Homo sapiens (human)]

Official Symbol PLA2G7

Synonyms PLA2G7; phospholipase A2 group VII; PAFAD; PAFAH; LP-PLA2; LDL-PLA2; platelet-activating factor acetylhydrolase; 1-alkyl-2-acetylgllycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase; LDL-PLA(2); LDL-associated phospholipase A2; PAF 2-acylhydrolase; PAF acetylhydrolase; gVIIA-PLA2; group-VIIA phospholipase A2; lipoprotein-associated phospholipase A2; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); EC 3.1.1.47

Gene ID 7941

mRNA Refseq NM_005084

Protein Refseq NP_005075

MIM 601690

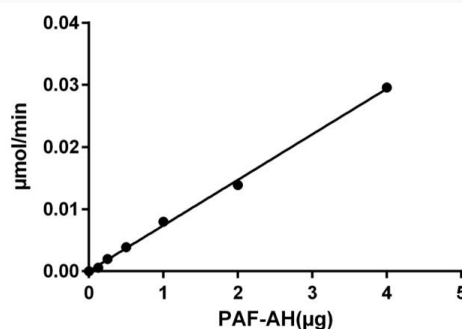
UniProt ID Q13093

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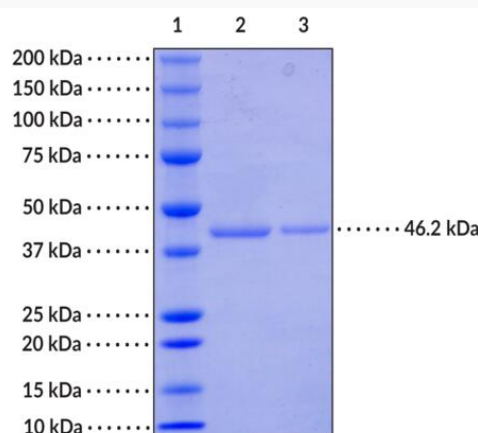
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PAF-AH Activity Assay



SDS-PAGE analysis of PAF-AH



Lane 1: MW Standards

Lane 2: PAF-AH (4 μg)

Lane 3: PAF-AH (2 μg)