

# Recombinant Human PLA2G7

**Cat. No.** PLA2G7-396H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human PLA2G7 was expressed in 293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Platelet Activating Factor (PAF) is a biologically active phospholipid, which exerts primarily proinflammatory activities by specifically signaling through G-protein-coupled receptors on platelets, neutrophils, and monocytes.
<b>Sequence</b>	FDWQYINPVA HMKSSAWVVK IQVLMAAASF GQTKIPRGNG PYSVGCTDLM FDHTNKGTFLL RLYYPSQDND RLDTLWIPNK EYFWGLSKFL GTHWLMGNIL RLLFGSMTTP ANWNSPLRPG EKYPVVFSH GLGAFRTLYS AIGIDLASHG FIVAAVEHRD RSASATYYFK DQSAAEIGDK SWLYLRRTLKQ EEETHIRNEQ VRQRAKECSQ ALSLILDIDH GKPVKNALDL KFDMEQLKDS IDREKIAVIG HSFGGATVIQ TLSEDQRFRC GIALDAWMFP LGDEVYSRIP QPLFFINSEY FQYPANIIKM KKCYPDKER KMITIRGSVH QNFADFTFAT GKIIGHMLKL KGDIDSNVAI DLSNKASLAF LQKHLGLHKD FDQWDCLIEG DDENLIPGTN INTTNQHIML QNSSGIEKYN.
<b>Specific Activity</b>	n/a.
<b>Purity</b>	Greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).

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<b>Applications</b>	n/a.
<b>Buffer</b>	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN <sub>3</sub> , 10mM DTT.
<b>Storage</b>	The lyophilized PAF-AH recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted PAF-AH is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing PAF-AH recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

## GENE INFORMATION

<b>Gene Name</b>	PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [ Homo sapiens ]
<b>Synonyms</b>	PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); PAFAH; LP-PLA2; LDL-PLA2; PAF 2-acylhydrolase; 1-alkyl-2-acetyl-glycerophosphocholine esterase; lipoprotein-associated phospholipase A2; 2-acetyl-1-alkyl-glycerophosphocholine esterase; EC 3.1.1.47
<b>Gene ID</b>	7941
<b>mRNA Refseq</b>	NM_001168357
<b>Protein Refseq</b>	NP_001161829
<b>MIM</b>	601690
<b>UniProt ID</b>	Q13093

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<b>Chromosome Location</b>	6p21.2-p12
<b>Pathway</b>	Ether lipid metabolism; Metabolic pathways; Diabetes pathways
<b>Function</b>	1-alkyl-2-acetylglycerophosphocholine esterase activity; hydrolase activity; phospholipid binding

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