

Recombinant Human PLA2G7

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

SPECIFICATION

Product Overview	Recombinant Human PLA2G7 was expressed in 293 cells.
Species	Human
Source	HEK293
Description	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.
Sequence	FDWQYINPVA HMKSSAWVNK IQVLMAAASF GQTKIPRGNG PYSVGCTDLM FDHTNKGTFRL RLYYPSQDND RLDTLWIPNK EYFWGLSKFL GTHWLMGNIL RLLFGSMTTP ANWNSPLRPG EKYPLVVFSL GLGAFRTLVS AIGIDLASHG FIVAAVEHRD RSATATYYFK DQSAEEIGDK SWLYLRTLKQ EEETHIRNEQ VRQRAKECSQ ALSLILDIDH GKPVKNALDL KFDMEQLKDS IDREKIAVIG HSFGGATVIQ TLSEDQRFRG GIALDAWMFP LGDEVYSRIP QPLFFINSEY FQYPANIIKM KKCYSPPDKR KMITIRGSVH QNFADFTFAT GKIIGHMLKL KGDIDSNVAI DLSNKLALAF LQKHLGLHKD FDQWDCLIEG DDENLIPGTN INTTNQHIML QNSSGIEKYN.
Specific Activity	n/a.
Purity	Greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).

 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

Applications	n/a.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ , 10mM DTT.
Storage	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	
Gene Name	PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [Homo sapiens]
Synonyms	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
Gene ID	7941
mRNA Refseq	NM_001168357
Protein Refseq	NP_001161829
MIM	601690
UniProt ID	Q13093

 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

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

 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