

Lp-PLA2/PLA2G7 Protein, Human, Recombinant (aa 22-441, His)

General Information

Synonyms:	PAF Acetylhydrolase;LDL-Associated Phospholipase A2;LDL-PLA(2);gVIA-PLA2;1-Alkyl-2-Acetyl-glycerophosphocholine Esterase;Platelet-Activating Factor Acetylhydrolase;Group-VIIA Phospholipase A2;PAF 2-Ac;2-Acetyl-1-Alkyl-glycerophosphocholine Esterase
Protein Construction:	Phe22-Asn441
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH38452.1
Molecular Weight:	50-65 KDa (reducing condition)
AA Sequence:	Phe22-Asn441

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 50 mM NaAc, 150 mM NaCl, 50% Glycerol, pH5.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Platelet-Activating Factor Acetylhydrolase (PAFAH) is a secreted enzyme which belongs to the AB hydrolase superfamily and Lipase family and catalyzes the degradation of platelet-activating factor to biologically inactive products. PAFAH is produced by inflammatory cells and hydrolyzes oxidised phospholipids in LDL. PAFAH has been implicated in the development of atherosclerosis and has also been identified as a marker for cardiac disease. PAFAH might have a major physiologic effect in the presence of inflammatory bodily responses. PAFAH alters the action of PAF by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. PAFAH has specificity for substrates with a short residue at the sn-2 position.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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