

**RPCB1842**

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## Product Information

<b>Product SKU:</b>	RPCB1842	<b>Gene ID:</b>	7941	<b>Size:</b>	10µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Human		

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## Additional Information

<b>Expression Host:</b>	HEK293 cells	<b>Swissprot:</b>	Q13093
<b>Purity:</b>	> 97% by SDS-PAGE.		

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## Protein Information

**Background:** Platelet-activating factor acetylhydrolase, also known as 1-alkyl-2-acetylglycerophosphocholine esterase, 2-acetyl-1-alkylglycero-phosphocholine esterase, Group-VIIA phospholipase A2, LDL-associated phospholipase A2, PAF 2-acylhydrolase, PLA2G7 and PAFAH, is a secreted protein that belongs to the AB hydrolase superfamily and Lipase family. PLA2G7 / PAFAH modulates the action of platelet-activating factor (PAF) by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. It has specificity for substrates with a short residue at the sn-2 position. It is inactive against long-chain phospholipids. PLA2G7 / PAFAH is a potent pro- and anti-inflammatory molecule that has been implicated in multiple inflammatory disease processes, including cardiovascular disease. PLA2G7 also represents an important, potentially functional candidate in the pathophysiology of coronary artery disease (CAD). Defects in PLA2G7 are the cause of platelet-activating factor acetylhydrolase deficiency (PLA2G7 deficiency). It is a trait that is present in 27% of Japanese. It could have a significant physiologic effect in the presence of inflammatory bodily responses.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human Lp-PLA2/PLA2G7 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** <1EU/µg of the protein by LAL method.

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**Formulation:** Lyophilized from a 0.22 µm filtered solution of 50mM NaAc, 150mM NaCl, 10% glycerol (pH 5.0)

**Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.