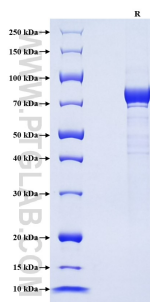


# Recombinant Human PAFAH/PLA2G7 protein (rFc Tag)

Catalog Number: Eg3756

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ <math>\mu</math>g protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human PAFAH protein Phe22-Asn441 (Accession# Q13093) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 7941</p> <p><b>Accession:</b> Q13093</p> <p><b>Predicted Molecular Mass:</b> 74.1 kDa</p> <p><b>SDS-PAGE:</b> 70-90 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 <math>\mu</math>m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>PAFAH(platelet-activating factor acetylhydrolase, plasma) is also named as PLA2G7(phospholipase A2, group VII), Lp-PLA2 (Lipoprotein-associated phospholipase A2), LDL-PLA2, LDL-PLA and belongs to the AB hydrolase superfamily and lipase family. It is an enzyme that catalyzes the hydrolysis of acetyl ester at the sn-2 position of PAF. The family of PAF-Ahs consists of two intracellular isoforms (Ib and II), and one secreted isoform (plasma). Defects in PLA2G7 are the cause of platelet-activating factor acetylhydrolase deficiency (PAFAD), susceptibility to asthma (ASTHMA), and susceptibility to atopic hypersensitivity (ATOPY).</p>		
References	<ol style="list-style-type: none"><li>1. Marie E Bechler. et al. (2010). J Cell Biol. 190(1):45-53.</li><li>2. Marie E Bechler. et al. (2013). Biochim Biophys Acta. 1831(3):595-601.</li><li>3. Ken Karasawa. et al. (2003). Prog Lipid Res. 42(2):93-114</li></ol>		
Synonyms	PAFAH, PLA2G7, 1-alkyl-2-acetyl-glycerophosphocholine esterase, 2-acetyl-1-alkyl-glycerophosphocholine esterase, EC:3.1.1.47		

## Selected Validation Data



Purity of Recombinant Human PAFAH was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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