

RP03277

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Recombinant Human Phospholipase A2/PLA2G1B Protein

Catalog No.: RP03277 **Recombinant**

Sequence Information

Species HEK293 cells
Gene ID 5319
Swiss Prot P04054

Tags

C-His

Synonyms

Phospholipase A2; PLA2G1B; PLA2; PLA2A; PPLA2

Product Information

Source
Purification
≥ 90 % as determined by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of 10 mM Tris, 5 mM CaCl₂, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Please contact us for reconstitution instructions.

Background

Phospholipase A2 (PLA2) plays crucial roles in diverse cellular responses, including phospholipid digestion and metabolism, host defense and signal transduction. PLA2 provides precursors for generation of eicosanoids, such as prostaglandins (PGs) and leukotrienes (LTs), when the cleaved fatty acid is arachidonic acid, platelet-activating factor (PAF) when the sn-1 position of the phosphatidylcholine contains an alkyl ether linkage and some bioactive lysophospholipids, such as lysophosphatidic acid (lysoPA).

Basic Information

Description

Recombinant Human Phospholipase A2/PLA2G1B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ser148) of human Phospholipase A2/PLA2G1B (Accession #NP_000919.1) fused with His tag at the C-terminus.

Bio-Activity

Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrenedecanoyl)-sn-glycero-3-phosphomethanol. The specific activity is >2500 pmol/min/μg.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

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.

Avoid repeated freeze/thaw cycles.

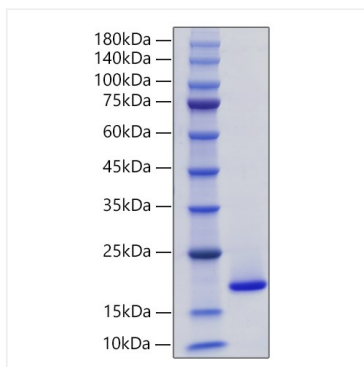
Contact



www.abclonal.com

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Validation Data



Recombinant Human Phospholipase A2/PLA2G1B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.