Recombinant Human Phospholipase A2/PLA2G1B Protein

Catalog No.: RP03277

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Sequence Information

Species
Human

Gene ID
5319

Swiss Prot
P04054

Tags
C-His

Synonyms
Phospholipase A2; PLA2G1B; PLA2; PLA2A; PPLA2

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
17.20 kDa

Observed MW
15-20 kDa

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 $CaCl_2$, 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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

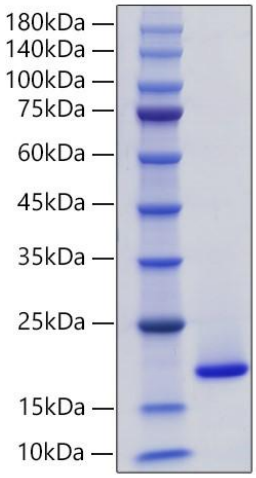
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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