Recombinant Human Phospholipase A2 group IIA /PLA2G2A Protein

Catalog No.: RP03560

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Sequence Information

Species
Human

Gene ID
5320

Swiss Prot
P14555

Tags
C-His

Synonyms
PLA2G2A, PLA2B, PLA2L, RASF-A， Phospholipase A2, membrane associated,NPS-PLA2

Product Information

Source
HEK293 Cells

Purification
≥ 97 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.

Calculated MW
15.4 kDa

Observed MW
15-20 kDa

Endotoxin
< 1.0 EU per μg of the protein as determined by the LAL method

Formulation
Lyophilized from sterile PBS, pH 7.4.
Please contact us for any concerns or special requirements.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

PLA2G2A, is a peripheral membrane protein that belongs to the phospholipase A2 family. PLA2G2A is found in many cells and also extracellularly. The membrane-bound and secreted forms of PLA2G2A are identical. PLA2G2A has been proposed to play a role in anti-bacterial defense, inflammation and eicosanoid generation, in clearance of apoptotic cells, and in the Wnt signaling pathway. PLA2G2A is thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. PLA2G2A catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. PLA2G2A might be a factor in human colorectal tumorigenesis.

Basic Information

Description
Recombinant Human Phospholipase A2 group IIA/PLA2G2A Protein is produced by HEK293 Cells system. The target protein is expressed with sequence (Met 1-Cys 144) of Human Phospholipase A2 group IIA/PLA2G2A (Accession #NP_000291.1) fused with His tag at the C-Terminus.

Activity

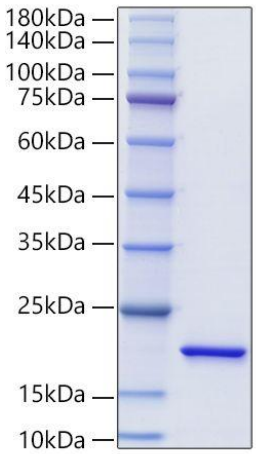
Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

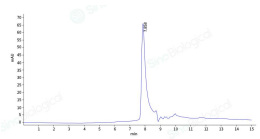
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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 group IIA/PLA2G2A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human Phospholipase A2 group IIA/PLA2G2A Protein is greater than 90% as determined by SEC-HPLC.