

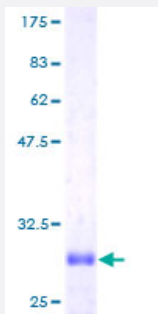
Full-Length

PLA2G1B (Human) Recombinant Protein (P01)

Catalog # H00005319-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLA2G1B full-length ORF (AAH05386, 17 a.a. - 70 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SGISPRAVWQFRKMIKCVIPGSDPFLEYNNYGCYCGLGGSGTPVDELDKQKQRV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.68
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLA2G1B

Entrez GeneID [5319](#)

GeneBank Accession# [BC005386](#)

Protein Accession# [AAH05386](#)

Gene Name PLA2G1B

Gene Alias MGC119834, MGC119835, PLA2, PLA2A, PPLA2

Gene Description phospholipase A2, group IB (pancreas)

Omim ID [172410](#)

Gene Ontology [Hyperlink](#)

Gene Summary Phospholipase A2 (EC 3.1.1.4) catalyzes the release of fatty acids from glycerol-3-phosphocholines. The best known varieties are the digestive enzymes secreted as zymogens by the pancreas of mammals. Sequences of pancreatic PLA2 enzymes from a variety of mammals have been reported. One striking feature of these enzymes is their close homology to venom phospholipases of snakes. Other forms of PLA2 have been isolated from brain, liver, lung, spleen, intestine, macrophages, leukocytes, erythrocytes, inflammatory exudates, chondrocytes, and platelets (Seilhamer et al., 1986 [PubMed 3028739]) .[supplied by OMIM]

Other Designations phospholipase A2, group IB

Pathway

- [alpha-Linolenic acid metabolism](#)

- [Arachidonic acid metabolism](#)
- [Ether lipid metabolism](#)
- [Fc epsilon RI signaling pathway](#)
- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Linoleic acid metabolism](#)
- [Long-term depression](#)
- [MAPK signaling pathway](#)
- [Metabolic pathways](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Schizophrenia](#)