

Datasheet for ABIN7320793 **PLA2G1B Protein (His tag)**



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | PLA2G1B |
| Origin: | Mouse |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PLA2G1B protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Mouse PLA2G1B/PLA2 Protein (His Tag) |
| Sequence: | Ala16-Cys146 |
| Characteristics: | Recombinant Mouse Phospholipase A2 is produced by our Mammalian expression system and the target gene encoding Ala16-Cys146 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | PLA2G1B |
| Alternative Name: | PLA2G1B/PLA2 (PLA2G1B Products) |
| Background: | Background: Mouse phospholipase A2 is a secreted protein which belongs to the phospholipase A2 family. Phospholipase A2/PLA2G1B catalyzes the release of fatty acids from glycerol-3-phosphocholines. The best known varieties are the digestive enzymes secreted as |

Target Details

zymogens by the pancreas of mammals. PLA2G1B has been thought to play major role in digestion of glycerophospholipids in nutrients, given its abundance in digestive organs. Since its expression has been observed in non-digestive organs including the lung, spleen, kidney, ovary, retina, brain, and neurons, its function may not limited to digestive role. PLA2G1B are resistant to obesity and diabetes induced by feeding a diabetogenic high-fat/high-carbohydrate diet. PLA2G1B inhibition may be a potentially effective oral therapeutic option for treatment of obesity and diabetes.

Synonym: Phospholipase A2, Group IB phospholipase A2, PLA2-Ib, Phosphatidylcholine 2-acylhydrolase 1B, Pla2g1b, Pla2

| | |
|-------------------|---|
| Molecular Weight: | 15.6 kDa |
| UniProt: | Q9Z0Y2 |
| Pathways: | Inositol Metabolic Process , VEGF Signaling |

Application Details

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|------------------|---|
| Format: | Frozen, Liquid |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.0. |
| Storage: | -20 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |