

## Recombinant Mouse 85/88 kDa Calcium-Independent Phospholipase A2 (Pla2g6), N-His

Cat. No.: AP4C209

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Mouse 85/88 kDa Calcium-Independent Phospholipase A2 (Pla2g6), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 31.9 kDa. The purity is >80%.

### Specifications

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Type                       | Recombinant Protein                             |
| Species                    | Mouse                                           |
| Expression System          | <i>E.coli</i>                                   |
| Purity                     | >80%                                            |
| Endotoxin                  | < 1.0 EU/µg                                     |
| Predicted Molecular Weight | 31.9 kDa                                        |
| Physical State             | Lyophilized                                     |
| Formulation                | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. |

### Target Information

Mouse 85/88 kDa Calcium-Independent Phospholipase A2 (Pla2g6) is a calcium-independent phospholipase A2 that belongs to the group VI phospholipase A2 family. It is widely expressed in various mammalian tissues and cells and plays a crucial role in lipid metabolism, inflammation, and cell signaling. Pla2g6 catalyzes the hydrolysis of phospholipids to release arachidonic acid and lysophospholipids, which are important precursors for the synthesis of bioactive lipid mediators such as prostaglandins and leukotrienes. In mouse models, Pla2g6 has been implicated in various physiological and pathological processes, including neurodegeneration, cardiovascular diseases, and cancer. Additionally, Pla2g6 has been shown to participate in cellular processes such as apoptosis, autophagy, and oxidative stress response.

|                 |                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein         | Mouse 85/88 kDa Calcium-Independent Phospholipase A2 (Pla2g6)                                                                                                                                         |
| Protein Synonym | 2-lysophosphatidylcholine acylhydrolase; Intracellular membrane-associated calcium-independent phospholipase A2 beta; Palmitoyl-CoA hydrolase; Patatin-like phospholipase domain-containing protein 9 |
| Gene ID         | <a href="#">53357</a>                                                                                                                                                                                 |

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.