# **Human PLA2G1B (His Tag) recombinant protein**

Catalog Number: 502761



## **General Information**

### Gene Name Synonym

Group IB phospholipase A2; Phosphatidylcholine 2-acylhydrolase 1B

#### **Protein Construction**

A DNA sequence encoding the human PLA2G1B (NP\_000919.1) (Met 1-Ser 148) with a C-terminal polyhistidine tag was expressed.

## **Organism**

Human

## **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrenedecanoyl)-sn-glycero-3-phosphomethanol.

The specific activity is  $>2,500 \text{ pmol/min/}\mu\text{g}$ .

### **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### **Predicted N terminal**

Asp 16

#### **Molecular Mass**

The recombinant human PLA2G1B comprises 144 amino acids after removal of the signal peptide, and has a predicted molecular mass of 16.2 kDa. rh PLA2G1B migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 10mM Tris, 5mM CaCl2, pH 8.0

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

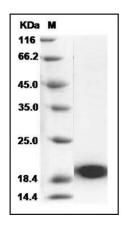
## Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human PLA2G1B / PLA2 Protein (His Tag) SDS-PAGE