

## 32-2678: PLA2G1B Recombinant Protein

**Alternative Name :** Phospholipase A2, EC 3.1.1.4, Phosphatidylcholine 2-acylhydrolase, Group IB phospholipase A2, PLA2, PLA2A, PPLA2, sPLA2-IB, MGC119834, MGC119835, PLA2G1B.

### Description

Source : Escherichia Coli. Secreted Phospholipase A2-IB Human Recombinant is manufactured with N-terminal fusion of HisTag. PLA2G1B His-Tagged Fusion Protein is 16 kDa containing 126 amino acid residues of the human secreted phospholipase A2-IB and 16 additional amino acid residues - HisTag. MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCFKL LDNPYHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS. Group IB secretory phospholipase A2 (sPLA2-IB) mediates cell proliferation, cell migration, hormone release and eicosanoid production via its receptor in peripheral tissues. In the CNS, high-affinity binding sites of sPLA2-IB have been documented. sPLA2-IB induced neuronal cell death in a concentration-dependent manner depending on PGD2 metabolites, especially Delta12-PGJ2 that might mediate sPLA2-IB-induced apoptosis. The secretory PLA2 (sPLA2) family, in which 10 isozymes have been identified, consists of low molecular weight, Ca<sup>2+</sup>-requiring secretory enzymes that have been implicated in a number of biological processes, such as modification of eicosanoid generation, inflammation, and host defense.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** concentration 0.15 mg/ml in PBS  
**Storage condition :** Store protein at -20°C. Aliquot the product to avoid repeated freezing/thawing cycles. Protein can be stored at 4°C for a limited period of time.  
**Amino Acid :** MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCFKL LDNPYHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS.

### Application Note

Add PBS to prepare a working stock solution. Product is sterile.

