

Product Data Sheet

□ Cat # RP-407

Recombinant Human Secreted Phospholipase A2-IB

Size: □ 10 ug

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.

concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

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**SOURCE:**

Secreted Phospholipase A2-IB Human Recombinant is manufactured with N-terminal fusion 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 (underlined). Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

**APPLICATION AND SUGGESTED DILUTIONS:**

Western blotting. Greater than 95.0% as determined by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

**STORAGE & STABILITY:**

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C. Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a

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