

Secreted Phospholipase A2-IB Human Recombinant

Item Number	rAP-1812
Synonyms	Phospholipase A2, EC 3.1.1.4, Phosphatidylcholine 2-acylhydrolase, Group IB phospholipase A2, PLA2, PLA2A, PPLA2, sPLA2-IB, MGC119834, MGC119835, PLA2G1B.
Description	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 (underlined).
Uniprot Accession Number	P04054
Amino Acid Sequence	MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCKFL LDNPYHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS.
Source	Escherichia Coli.
Physical Appearance and Stability	Lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	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 concentration of 10
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**