

Secreted Phospholipase A2-IIA Human Recombinant

Item Number	rAP-1811
Synonyms	MOM1, PLA2, PLA2B, PLA2L, PLA2S, PLAS1, sPLA2, Phospholipase A2 membrane associated, EC 3.1.1.4, Phosphatidylcholine 2-acylhydrolase, Group IIA phospholipase A2, GIIC sPLA2, Non-pancreatic secretory phospholipase A2, NPS-PLA2, sPLA2-IIA, PLA2G2A.
Description	Secreted Phospholipase A2-IIA Human Recombinant is manufactured with N-terminal fusion of HisTag. PLA2G2A His-Tagged Fusion Protein is 15.8 kDa containing 124 amino acid residues of the human secreted phospholipase A2-IIA and 16 additional amino acid residues – HisTag.
Uniprot Accession Number	P14555
Amino Acid Sequence	MRGSHHHHHH GMASHMNLVN FHRMIKLTGG KEAALSYGFY GCHCGVGGRG SPKDATDRCC VTHDCCYKRL EKRGCCTKFL SYKFSNSGSR ITCAKQDSCR SQLCECDKAA ATCFARNKTT YN- KKYQYYSN KRCRGSTPRC.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered 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	Lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, an intensive dilution by relevant buffer to a concentr
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**