

Secreted Phospholipase A2-IIID Human Recombinant

Item Number	rAP-1813
Synonyms	Group IID secretory phospholipase A2, EC 3.1.1.4, Phosphatidylcholine 2-acylhydrolase GIID, GIID sPLA2, PLA2IID, sPLA(2)-IID, Secretory-type PLA, stroma-associated homolog, SPLASH, sPLA2S, PLA2G2D.
Description	Secreted Phospholipase A2-IIID Human Recombinant was produced with N-terminal His-Tag. PLA2G2D His-Tagged Fusion protein is 16.4 kDa containing 125 amino acid residues of the human secreted phospholipase A2-IIID and 16 additional amino acid residues – His-Tag (underlined).
Uniprot Accession Number	Q9UNK4
Amino Acid Sequence	MRGSHHHHHGMASHMGIILNLNKMVKQVTGKMPILSYWPYGCHCGLGGR GQPKDATDWCCQTHDCCYDHLKTQGC ^{GIYKYYRYNFSQGN} IHCSDKGSWC EQQLCAC- DKEVAFCLKRNLDTYQKRLRFYWRPHCRGQTPGC.
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	Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.
Application	
Solubility	Add 0.2 ml of 0.1M Acetate buffer pH-4 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 µg/ml. In higher concentrations the solubility of t
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**