

Secreted Phospholipase A2-V Human Recombinant

Item Number	rAP-1815
Synonyms	Calcium-dependent phospholipase A2, EC 3.1.1.4, Phosphatidylcholine 2-acylhydrolase, PLA2-10, Group V phospholipase A2, GV-PLA2, MGC46205, hVPLA(2), DKFZp686C2294, sPLA2-V, PLA2G5.
Description	Secreted Phospholipase A2-V Human Recombinant was produced with N-terminal His-Tag. PLA2G5 His-Tagged Fusion protein is 15.5 kDa containing 118 amino acid residues of the human secreted phospholipase A2-V and 16 additional amino acid residues – His-Tag (underlined).
Uniprot Accession Number	P39877
Amino Acid Sequence	MRGSHHHHHH GMASHMGLLD LKSMIEKVTG KNALTYGIFY GCYCGWGGRG TPKDGTDWCC WAHDHCYGRLEEKGCNIRTQ SYKYRFAWGV VTCEPGPFCH VNLACDRKL VYCLKRNLRS YNPQYQYFPN ILCS.
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 in 0.5 mg/mL in 0.05M Acetate buffer pH4. 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**