

Phospholipase A1 Member A Human Recombinant

Item Number	rAP-1265
Synonyms	Phospholipase A1 Member A, PSPLA1, PS-PLA1, Phosphatidylserine-Specific Phospholipase A1alpha, EC 3.1.1.1-, NMD, Phosphatidylserine-Specific Phospholipase A1, PLA1A.
Description	PLA1A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 454 amino acids (26-456) and having a molecular mass of 49.5kDa. PLA1A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q53H76
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSDAPPTPQ PKCADFQSAN LFEGTDLKVQ FLLFVPSNPS CGQLVEGSSD LQNSGFNATL GTKLIHGFRL VLGTKPSWID TFIRTLRLAT NANVIAVDWI YGSTGVYFSA VKNVIKLSLE ISLFLNKLIV LGVSESSIH IGVSLGAHVG GMVGQLFGGQ LGQITGLDPA GPEYTRASVE ERLDAGDALF VEAHTDTON LGIRIPVGHV DYFVNGGQDQ PGCPTFFYAG YSYLCDHMR AVHLYISALE NSCPLMAFPC ASYKAFLAGR CLDCFNPFLL SCPRIGLVEQ GGVKIEPLPK EVKVYLLTTS SAPYCMHHS L VEFHLKELRN KDTNIEVTFL SSNITSSSKI TIPKQQRYSK GIIAHATPQC QINQVKFKFQ SSNRVWKKDR TTIIGKFTA LLPVNDREKM VCLPEPVNLQ ASVTVSCDLK IACV.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PLA1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
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**