9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2675: PLA1A Recombinant Protein

Alternative Name : Phospholipase A1 Member A,PSPLA1,PS-PLA1,Phosphatidylserine-Specific Phospholipase A1alpha,EC 3.1.1.-,NMD,Phosphatidylserine-Specific Phospholipase A1,PLA1A.

Description

Source : Escherichia Coli. 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. Phospholipase A1 Member A (PLA1A) is a phospholipase which hydrolyzes fatty acids at the sn-1 position of phosphatidylserine and 1-acyl-2-lysophosphatidylserine. The secreted PLA1A protein hydrolyzes phosphatidylserine in liposomes. PLA1A hydrolyzes phosphatidylserine (PS) in the form of liposomes and 1-acyl-2 lysophosphatidylserine (lyso-PS), but not triolein, phosphatidylcholine (PC), phosphatidylethanolamine (PE), phosphatidic acid (PA) or phosphatidylinositol (PI). PLA1A isoform 2 hydrolyzes lyso-PS but not PS. The hydrolysis of lyso-PS in peritoneal mast cells activated by receptors for IgE leads to stimulation of histamine production.

Product Info

Amount :	25 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	The PLA1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSDAPPTPQ PKCADFQSAN LFEGTDLKVQ FLLFVPSNPS CGQLVEGSSD LQNSGFNATL GTKLIIHGFR VLGTKPSWID TFIRTLLRAT NANVIAVDWI YGSTGVYFSA VKNVIKLSLE ISLFLNKLLV LGVSESSIHI IGVSLGAHVG GMVGQLFGGQ LGQITGLDPA GPEYTRASVE ERLDAGDALF VEAIHTDTDN LGIRIPVGHV DYFVNGGQDQ PGCPTFFYAG YSYLICDHMR AVHLYISALE NSCPLMAFPC ASYKAFLAGR CLDCFNPFLL SCPRIGLVEQ GGVKIEPLPK EVKVYLLTTS SAPYCMHHSL VEFHLKELRN KDTNIEVTFL SSNITSSSKI TIPKQQRYGK GIIAHATPQC QINQVKFKFQ SSNRVWKKDR TTIIGKFCTA LLPVNDREKM VCLPEPVNLQ ASVTVSCDLK IACV.