

Recombinant Human PLA1A, His-tagged

Cat. No. PLA1A-168H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLA1A, 26-456aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	26-456aa
Description	PLA1A is a phospholipase that hydrolyzes fatty acids at the sn-1 position of phosphatidylserine and 1-acyl-2-lysophosphatidylserine. This secreted protein hydrolyzes phosphatidylserine in liposomes. Three transcript variants encoding different isoforms have been found for this gene. Recombinant human PLA1A protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	49.5 kDa (454aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDAPPTPQ PKCADFQSAN LFEGTDLKVQ FLLFVPSNPS CGQLVEGSSD LQNSGFNATL GTKLIHGFR VLGTKPSWID TFIRTLLRAT NANVIAVDWI YGSTGVYFSA VKNVIKLSLE ISLFLNKLLV LGVSESSIHI IGVSLGAHVG GMVGQLFGGQ LGQITGLDPA GPEYTRASVE ERLDAGDALF VEAHTDTDN LGIRIPVGHV DYFVNGGQDQ PGCPTFFYAG YSYLICDHMR AVHLYISALE NSCPLMAFPC ASYKAFLAGR CLDCFNPFL SCPRIGLVEQ GGVKIEPLPK EVKVYLLTTS SAPYCMHHS LVEFHLKELRN

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KDTNIEVTFL SSNITSSSKI TIPKQQRYGK GIIAHATPQC QINQVKFKFQ
SSNRVWKKDR TTIIGKFCTA LLPVNDREKM VCLPEPVNLQ ASVTVSCDLK IACV

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name PLA1A phospholipase A1 member A [Homo sapiens]

Official Symbol PLA1A

Synonyms PLA1A; phospholipase A1 member A; ps PLA1; phosphatidylserine-specific phospholipase A1alpha; PSPLA1; PS-PLA1;

Gene ID 51365

mRNA Refseq NM_001206960

Protein Refseq NP_001193889

MIM 607460

UniProt ID Q53H76

Chromosome Location 3q13.13-q13.2

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Function

hydrolase activity; phosphatidylcholine 1-acylhydrolase activity;

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