

PLA1A, 26-456aa, Human, His tag, E.coli

Cat.NO.: TP03423

3th Edition

Synonyms:Phospholipase A1 member A, PS-PLA1, PSPLA1

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 Weight:49.5 kDa (454aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDAPPTPQPKCADFQSANLFEGTDLKVQFLLFVPSNPSCGQLVEGSSDLQNS
GFNATLGTCLIIHGFRVLGKPSWIDTFIRLLRATNANVIAVDWIYGSTGVYFSAVKNVIKLSLEISLFLNKLLVLGVSE
SSIIHIGVSLGAHVGGMVGQLFGGQLGQITGLDPAGPEYTRASVEERLDAGDALFVEAIHTDNDNLGIRIPVGHVDYF
VNGGQDQPGCPTFFYAGYSYLICDHMRAVHLYISALENSCPLMAFPCASYKAFLAGRCLDCFNPFLLSCPRIGLVE
QGGVKIEPLPKEVKVYLLTSSAPYCMHHSLEFHLKELRNKDTNIEVTFLSSNITSSSKITIPKQQRYGKGIIAHATPQ
CQINQVKFKFQSSNRVWKKDRRTTIIGKFACTALLPVNDREKMOVCLPEPVNLQASVTVSCDLKIACV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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