

Recombinant Mouse Pla2g2a Protein, Myc/DDK-tagged

Cat. No. Pla2g2a-4899M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipase A2, group IIA (platelets, synovial fluid) (Pla2g2a), transcript variant 1, coding, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Proteins belonging to the phospholipase A2 (PLA2) family hydrolyze phospholipids into sn2 fatty acids and lysophospholipids. They function in a variety of cellular processes, including the digestion of phospholipids and the production of molecules that induce inflammatory responses. This gene encodes a member of the group II class of secretory PLA2s. The secreted enzyme binds to heparin on the cell surface. Mutations in this gene increase the occurrence of intestinal polyps caused by a dominant mutation in the adenomatosis polyposis coli gene. A frameshift inactivates this gene product in some mouse strains including the strain of the reference genome, C57BL/6J, whereas a functional protein is produced in other strains.
Molecular Mass	16.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Pla2g2a phospholipase A2, group IIA (platelets, synovial fluid) [Mus musculus (house mouse)]
Official Symbol	Pla2g2a
Synonyms	PLA2G2A; phospholipase A2, group IIA (platelets, synovial fluid); phospholipase A2, membrane associated; GIIC sPLA2; enhancing factor; modifier of Min1; group IIA phospholipase A2; secretory group II phospholipase A2; phosphatidylcholine 2-acylhydrolase 2A; non-pancreatic secreted type II phospholipase A2; EF; Mom1; Pla2; sPLA2; sPla2-IIA
Gene ID	18780
mRNA Refseq	NM_001082531
Protein Refseq	NP_001076000
UniProt ID	P31482