

## Recombinant Mouse Pla2g2a Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	16.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Pla2g2a phospholipase A2, group IIA (platelets, synovial fluid) [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Pla2g2a
<b>Synonyms</b>	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
<b>Gene ID</b>	18780
<b>mRNA Refseq</b>	NM_001082531
<b>Protein Refseq</b>	NP_001076000
<b>UniProt ID</b>	P31482

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