

## Recombinant Human PLA2G2A

Cat. No. PLA2G2A-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PLA2G2A protein (Met 1 - Cys 144), was expressed in HEK293 Cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-144 a.a.
<b>Form</b>	Lyophilized from sterile 25 mM Tris-HCl, pH7.4, 300 mM NaCl, 1 mM DTT, 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	15.4 kDa
<b>Purity</b>	>97% as determined by SDS-PAGE
<b>Storage</b>	Short Term Storage +4°C. Long Term Storage -20°C. Prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized PLA2G2A in 1ml sterile and pre-cooled ddH <sub>2</sub> O, which can then be further diluted to other aqueous solutions.

### GENE INFORMATION

**Gene Name** PLA2G2A phospholipase A2, group IIA (platelets, synovial fluid) [ Homo sapiens ]

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<b>Official Symbol</b>	PLA2G2A
<b>Synonyms</b>	PLA2G2A; phospholipase A2, group IIA (platelets, synovial fluid); PLA2B, PLA2L; phospholipase A2, membrane associated; NPS-PLA2; GIIC sPLA2; group IIA phospholipase A2; phosphatidylcholine 2-acylhydrolase 2A; non-pancreatic secretory phospholipase A2; MOM1; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; sPLA2;
<b>Gene ID</b>	<a href="#">5320</a>
<b>mRNA Refseq</b>	<a href="#">NM_000300</a>
<b>Protein Refseq</b>	<a href="#">NP_000291</a>
<b>MIM</b>	<a href="#">172411</a>
<b>UniProt ID</b>	<a href="#">P14555</a>
<b>Chromosome Location</b>	1p35
<b>Pathway</b>	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem;
<b>Function</b>	calcium ion binding; calcium-dependent phospholipase A2 activity; hydrolase activity; phospholipase A2 activity; phospholipid binding;

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