

Recombinant Human PLA2G2A

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

SPECIFICATION

Product Overview	Recombinant Human PLA2G2A protein (Met 1 - Cys 144), was expressed in HEK293 Cells.
Species	Human
Source	HEK293
ProteinLength	1-144 a.a.
Form	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.
Molecular Mass	15.4 kDa
Purity	>97% as determined by SDS-PAGE
Storage	Short Term Storage +4°C. Long Term Storage -20°C. Prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized PLA2G2A in 1ml sterile and pre-cooled ddH ₂ 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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Official Symbol	PLA2G2A
Synonyms	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;
Gene ID	5320
mRNA Refseq	NM_000300
Protein Refseq	NP_000291
MIM	172411
UniProt ID	P14555
Chromosome Location	1p35
Pathway	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;
Function	calcium ion binding; calcium-dependent phospholipase A2 activity; hydrolase activity; phospholipase A2 activity; phospholipid binding;