

Active Recombinant Human PLA2G4A Protein, His-tagged

Cat. No. PLA2G4A-752H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G4A (Accession # NP_077734) Met1-Ala749, fused with a C-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	Met1-Ala749
Predicted N Terminal	Ser2
Form	Supplied as a 0.2 μ filtered solution in Tris, NaCl, Glycerol, Brij-35 and DTT.
Bio-activity	Measured by its ability to hydrolyze 1-Hexadecanoyl-2-(1-pyrene-decanoyl)-sn-glycerol-3-phosphocholine. The specific activity is >30 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human PLA2G4A, His-tagged has a calculated MW of 86 kDa. In SDS-PAGE migrates as 85-95 kDa, reducing conditions.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 25 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

PLA2G4A phospholipase A2, group IVA (cytosolic, calcium-dependent) [Homo sapiens]

Official Symbol

PLA2G4A

Synonyms

PLA2G4A; phospholipase A2, group IVA (cytosolic, calcium-dependent); PLA2G4; cytosolic phospholipase A2; cPLA2 alpha; cPLA2; lysophospholipase; phospholipase A2 group IVA; phosphatidylcholine 2-acylhydrolase; calcium-dependent phospholipid-binding protein; cPLA2-alpha; MGC126350;

Gene ID

5321

mRNA Refseq

NM_024420

Protein Refseq

NP_077734

MIM
UniProt ID

P47712

**Chromosome
Location**

1q25

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