

# Active Recombinant Human PLA2G4A Protein, His-tagged

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

## SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | 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.                         |
| <b>Species</b>              | Human                                                                                                                                                                                         |
| <b>Source</b>               | Sf21 Cells                                                                                                                                                                                    |
| <b>ProteinLength</b>        | Met1-Ala749                                                                                                                                                                                   |
| <b>Predicted N Terminal</b> | Ser2                                                                                                                                                                                          |
| <b>Form</b>                 | Supplied as a 0.2 μ filtered solution in Tris, NaCl, Glycerol, Brij-35 and DTT.                                                                                                               |
| <b>Bio-activity</b>         | 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. |
| <b>Molecular Mass</b>       | Recombinant Human PLA2G4A, His-tagged has a calculated MW of 86 kDa. In SDS-PAGE migrates as 85-95 kDa, reducing conditions.                                                                  |
| <b>Purity</b>               | >80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.                                                                               |
| <b>Storage</b>              | 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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