

# Recombinant Human PLA2G4A, GST-tagged

**Cat. No.** PLA2G4A-1752H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PLA2G4A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| <b>Species</b>          | Human                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                      |
| <b>ProteinLength</b>    | 1-350aa                                                                                                     |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                   |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol.  |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PLA2G4A phospholipase A2, group IVA (cytosolic, calcium-dependent) [ Homo sapiens ]                                                                                                                                                              |
| <b>Official Symbol</b> | PLA2G4A                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | 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- |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | binding protein; cPLA2-alpha; MGC126350;                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>             | <a href="#">5321</a>                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | <a href="#">NM_024420</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | <a href="#">NP_077734</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | <a href="#">P47712</a>                                                                                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 1q25                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Ca-dependent events, organism-specific biosystem; Endothelins, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; |
| <b>Function</b>            | calcium ion binding; calcium-dependent phospholipase A2 activity; calcium-dependent phospholipid binding; hydrolase activity; lysophospholipase activity; phospholipase A2 activity; phospholipase A2 activity;                                                                                                                                                                   |