

## Recombinant Human PLA2G6 Protein, His-tagged

Cat. No. PLA2G6-611H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Product Overview | Recombinant Human PLA2G6(Arg484~Ile701) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ProteinLength    | Arg484~Ile701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description      | The protein encoded by this gene is an A2 phospholipase, a class of enzyme that catalyzes the release of fatty acids from phospholipids. The encoded protein may play a role in phospholipid remodelling, arachidonic acid release, leukotriene and prostaglandin synthesis, fas-mediated apoptosis, and transmembrane ion flux in glucose-stimulated B-cells. Several transcript variants encoding multiple isoforms have been described, but the full-length nature of only three of them have been determined to date. |
| Form             | 100mMNaHCO <sub>3</sub> , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular Mass   | 28.5kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Identity         | Reconstitute in 100mM NaHCO <sub>3</sub> , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>         | > 95%                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein                                                                                                                                                                                                                          |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | Reconstitute in PBS or others                                                                                                                                                                                                                                                                                                                |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PLA2G6 phospholipase A2, group VI (cytosolic, calcium-independent) [ Homo sapiens ]                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | PLA2G6                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | PLA2G6; phospholipase A2, group VI (cytosolic, calcium-independent); 85 kDa calcium-independent phospholipase A2; iPLA2; PARK14; PNPLA9; GVI PLA2; group VI phospholipase A2; calcium-independent phospholipase A2; patatin-like phospholipase domain containing 9; cytosolic, calcium-independent phospholipase A2; GVI; PLA2; INAD1; NBIA2A; NBIA2B; Cal-PLA2; IPLA2-VIA; |
| <b>Gene ID</b>         | 8398                                                                                                                                                                                                                                                                                                                                                                        |

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|----------------|------------------------------|
| mRNA Refseq    | <a href="#">NM_001004426</a> |
| Protein Refseq | <a href="#">NP_001004426</a> |
| MIM            | <a href="#">603604</a>       |
| UniProt ID     | <a href="#">O60733</a>       |

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