

# Active Recombinant Human PLA2G7 protein, His-tagged

**Cat. No.** PLA2G7-1145H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human PLA2G7 protein(Q13093-1) precursor (Met 1-Asn 441) was expressed in HEK293, with a C-terminal polyhistidine tag.                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-441 aa                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile 50mM NaAc, 150mM NaCl, 10% glycerol, pH 5.0.                                                                                                                                                                                             |
| <b>Bio-activity</b>     | Measured by its ability to cleave a colorimetric peptide substrate, 1O-hexadecyl-2-deoxy-2-thio Sacetylsnglycerol-3-phosphoryl choline (2-Thio-PAF), in the presence of 5, 5'Dithiobis(2-nitrobenzoic acid) (DTNB). The specific activity is >5000 pmoles/min/μg. |
| <b>Molecular Mass</b>   | The secreted recombinant human PLA2G7 comprises 431 amino acids with a predicted molecular mass of 49.2 kDa. As a result of glycosylation, it migrates as an approximately 50-55 kDa band in SDS-PAGE under reducing conditions.                                  |
| <b>Endotoxin</b>        | < 1.0 EU per μg of the protein as determined by the LAL method.                                                                                                                                                                                                   |
| <b>Purity</b>           | > 88 % as determined by SDS-PAGE                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to                                                                                                                                                                                  |

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**
**Gene Name**

PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [ Homo sapiens ]

**Official Symbol**

PLA2G7

**Synonyms**

PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); platelet-activating factor acetylhydrolase; LDL PLA2; PAFAH; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetyl-glycerophosphocholine esterase; 2-acetyl-1-alkyl-glycerophosphocholine esterase; PAFAD; LP-PLA2; LDL-PLA2;

**Gene ID**

7941

**mRNA Refseq**

NM\_001168357

**Protein Refseq**

NP\_001161829

**MIM**

601690

**UniProt ID**

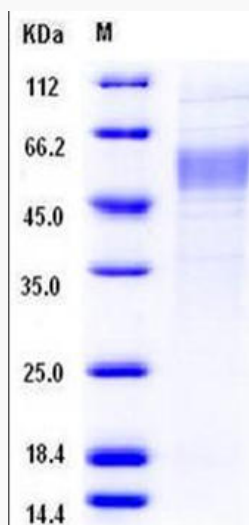
Q13093

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# SDS-PAGE



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