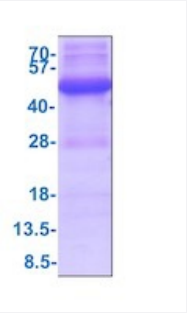
# PLA2G7 (Human) Recombinant Protein

Catalog # P7760 Size 250 ug

## Applications




SDS-PAGE analysis of PLA2G7 (Human) Recombinant Protein

## Specification

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|---|---|
| **Product Description** | Human PLA2G7 (NP_001161829, 47 a.a. - 441 a.a ) partial recombinant protein with His tag expressed in *Escherichia coli*. |
| **Sequence** | MGSSHHHHHHSSGLVPRGSHMGSAAASFGQTKIPRGNGPYSVGCTDLMFDHTNKGTFLRLYYPS QDNDRLDTLWIPNKEYFWGLSKFLGTHWLMGNILRLLFGSMTTPANWNSPLRPGEKYPLVVFSH GLGAFRTLYSAIGIDLASHGFIVAAVEHRDRSASATYYFKDQSAAEIGDKSWLYLRTLKQEEETHIRN EQVRQRAKECSQALSLILDIDHGKPVKNALDLKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSED QRFRCGIALDAWMFPLGDEVYSRIPQPLFFINSEYFQYPANIIKMKKCYSPDKERKMITIRGSVHQNF ADFTFATGKIIGHMLKLKGDIDSNVAIDLSNKASLAFLQKHLGLHKDFDQWDCLIEGDDENLIPGTNI NTTNQHIMLQNSSGIEKYN |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 47.2 |
| **Form** | Liquid |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purity** | > 85% by SDS-PAGE |
| **Quality Control Testing** | 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.<br>SDS-PAGE analysis of PLA2G7 (Human) Recombinant Protein |

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|---|---|
| **Recommend Usage** | SDS-PAGE<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4 (10% glycerol). |
| **Storage Instruction** | Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- SDS-PAGE

## Gene Info — PLA2G7

| | |
|---|---|
| **Entrez GeneID** | 7941 |
| **Protein Accession#** | Q13093 |
| **Gene Name** | PLA2G7 |
| **Gene Alias** | LDL-PLA2, PAFAH |
| **Gene Description** | phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) |
| **Omim ID** | 147050 600807 601690 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The PLA2G7 gene encodes platelet-activating factor (PAF) acetylhydrolase (EC 3.1.1.47), a secr eted enzyme that catalyzes the degradation of PAF to inactive products by hydrolysis of the acetyl group at the sn-2 position, producing the biologically inactive products LYSO-PAF and acetate.[s upplied by OMIM |
| **Other Designations** | OTTHUMP00000016555\|phospholipase A2, group VII\|platelet-activating factor acetylhydrolase |

## Pathway

- Ether lipid metabolism
- Metabolic pathways

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## Disease

- Alzheimer disease
- Angina Pectoris
- Aortic Aneurysm
- Arteriosclerosis
- Asthma
- Atherosclerosis
- Bronchial Hyperreactivity
- Calcinosis
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Colitis
- Coronary Artery Disease
- Coronary Disease
- Coronary Vasospasm
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Inflammation
- Kidney Failure

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- Metabolic Syndrome X
- Microvascular Angina
- Myocardial Infarction
- Neoplasms
- Obesity
- Osteoporosis
- Peripheral Vascular Diseases
- Polycystic Ovary Syndrome
- Respiratory Distress Syndrome
- Schizophrenia

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