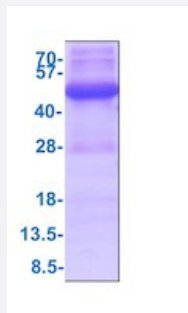


PLA2G7 (Human) Recombinant Protein

Catalog # P7760

Size 250 ug

Applications



SDS-PAGE analysis of PLA2G7 (Human) Recombinant Protein

Specification

Product Description

Human PLA2G7 (NP_001161829, 47 a.a. - 441 a.a) partial recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGSAASFGQTKIPRGNGPYSGCTDLMFDHTNKGTFRLLYPS
QDNDRLDTLWIPNKEYFWGLSKFLGTHWLMGNILRLLFGSMTPANWNSPLRPGEKYPLVVFSH
GLGAFRTLISAIGIDLASHGFVA AVEHRDRSASATYYFKDQSAAEIGDKSWLYLRTLKQEEETHIRN
EQVRQRAKECSQALSLILDIDHGKPVKNALDLKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSED
QRFRCGIALDAWMFPLGDEVYSRIPQPLFFINSEYFQYPANIIKMKKCYSPDKERKMITIRGSVHQNF
ADFTFATGKIIGHMLKLKGDIDSNVAIDL SNKASLAFLQKHLGLHKDFDQWDCLIEGDDENLIPGTNI
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.
SDS-PAGE analysis of PLA2G7 (Human) Recombinant Protein

Recommend Usage

SDS-PAGE

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 secreted 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 applied by OMIM

Other Designations

OTTHUMP00000016555|phospholipase A2, group VII|platelet-activating factor acetylhydrolase

Pathway

- [Ether lipid metabolism](#)
- [Metabolic pathways](#)

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](#)

- [Metabolic Syndrome X](#)
- [Microvascular Angina](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Respiratory Distress Syndrome](#)
- [Schizophrenia](#)