

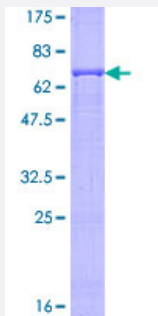
Full-Length

PLA2G7 (Human) Recombinant Protein (P01)

Catalog # H00007941-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PLA2G7 full-length ORF (AAH38452.1, 22 a.a. - 441 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

FDWQYINPVAHMKSSAWVNKIQVLMAAASFGQTKIPRGNGPYSVGCTDLMFDHTNKGTFRLRYYP
SQDNDRLDTLWIPNKEYFWGLSKFLGTHWLMGNILRLLFGSMTPANWNSPLRPGEKYPLVVFSH
GLGAFRTLYSAIGIDLASHGFVAHAVEHRDRSASATYFQDQSAAEIGDKSWLYLRTLKQEEETHIRN
EQVRQRAKECSQALSLILDIDHGKPVKNALDLKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSED
QRFRCGIALDAWMFPLGDEVYSRIPQPLFFINSEYFQYPANIIKMKKCYSPDKERKMITIRGSVHQNF
ADFTFATGKIIGHMLKLKGDIDSNAIDLSENKASLAFLQKHLGLHKDFDQWDCLEGGDENLIPGTNI
NTTNQHIMLQNSSGIEKYN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.72

Interspecies Antigen Sequence

Mouse (67); Rat (69)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLA2G7

Entrez GeneID	7941
GeneBank Accession#	BC038452
Protein Accession#	AAH38452.1
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](#)
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