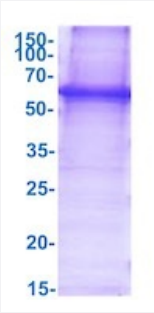
PLA2G7 (Human) Recombinant Protein

Catalog # P7765 Size 500 ug

Applications



SDS-PAGE analysis of PLA2G7 (Human) Recombinant Protein

Specification

Product Description	Human PLA2G7 (NP_001014432, 1 a.a. - 480 a.a) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMSDVAIVKEGWLHKRGEYIKTWRPRYFLLKNDGTFIGYKER PQDVDQREAPLNNFSVAQCQLMKTERPRPNTFIIRCLQWTTVIERTFHVETPEEREEWTTAIQTVA DGLKKQEEEEMDFRSGSPSDNSGAEEMEVSLAKPKHRVTMNEFEYLKLLGKGTFGKVILVKEKA TGRYYAMKILKKEVIVAKDEVAHTLTENRVLQNSRHPFLTALKYSFQTHDRLCFVMEYANGGELFF HLSRERVFSEDRARFYGAEIVSALDYLHSEKNVVYRDLKLENLMLDKDGHIKITDFGLCKEGIKDG ATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHEKLFELILMEEIR FPRTLGPEAKSLLSGLLKKDPKQRLGGGSEDAKEIMQHRFFAGIVWQHVYEKKLSPPFKPQVTS ETDTRYFDEEFTAQMITITPPDQDDSMECVDSERRPHFPQFSYSASGTA
Host	Escherichia coli
Theoretical MW (kDa)	58.1
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

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Recommend Usage	SDS-PAGE Denatured The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl buffer, pH8.0 (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#	P31749
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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