

Recombinant Human PLA2G7, GST-tagged

Cat. No. PLA2G7-105H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human PLA2G7 full-length ORF (AAH38452.1, 22 a.a. - 441 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are a cause of platelet-activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	71.72 kDa
AA Sequence	FDWQYINPVAHMKSSAWVNKIQVLMAAASFGQTKIPRGNGPYSVGCTDLMFDHTN KGTFLRLYYPSQDNDRLDTL WIPNKEYFWGLSKFLGTHWLMGNILRLLFGSMTTPA NWNSPLRPGEKYPLVVFSHGLGAFRTLISAIGIDLASHG FIVAAVEHRDRSASATYY FKDQSAAEIGDKSWLYLRTLKQEEETHIRNEQVRQRAKECSQALSLILDIDHGKPKV NALDLKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSEDQRFRCGIALDAWMFPLGD EVYSRIPQPLFFINSEY FQYPANIIKMKKCYSPDKERKMITIRGSVHQNFADFTFATG KIIGHMLKLKGDIDSNAIDLSNKASLAFLQKHL GLHKDFDQWDCLIEGD DENLIPGT NINTTNQHIMLQNSSGIEKYN
Applications	ELISA; WB-Re; AP; Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [Homo sapiens (human)]
Official Symbol	PLA2G7
Synonyms	PLA2G7; PAFAD; PAFAH; LP-PLA2; LDL-PLA2; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); platelet-activating factor acetylhydrolase; 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; EC 3.1.1.47
Gene ID	7941
mRNA Refseq	NM_001168357
Protein Refseq	NP_001161829
MIM	601690
UniProt ID	Q13093
Chromosome	6p21.2-p12

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Location

Pathway

Ether lipid metabolism; Lissencephaly gene (LIS1) in neuronal migration and development; Metabolism of proteins

Function

1-alkyl-2-acetylglycerophosphocholine esterase activity; calcium-independent phospholipase A2 activity; phospholipid binding

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