

Active Recombinant Human PLA2G7 Protein

Cat. No. PLA2G7-633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G7, transcript variant 1, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Modulates the action of platelet-activating factor (PAF) by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. Has a specificity for substrates with a short residue at the sn-2 position. It is inactive against long-chain phospholipids.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Measured by its ability to cleave a PAF analog in a chromogenic substrate linked assay. At a PAF-AH concentration of 10.0 ug/mL, 50% cleavage was achieved at an incubation time of approximately 2 minutes.
Molecular Mass	47 kDa
AA Sequence	FDWQYINPVAHMKSSAWVNKIQVLMAAASFGQTKIPRGNGPYSVGCTDLMFDHTN KGTFLRLYYPSQDNDRLDTLWIPNKEYFWGLSKFLGTHWLMGNILRLFLGSMTPA NWN SPLRPGEKYPLVVFHGLGAFRTLISAIGIDLASHGFIVA AVEHRDRSASATYY FKDQSA AEIGDKSWLYLRTLKQEEETHIRNEQVRQRAKECSQALSLILDIDHGKPKV NALDLKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSEDQRFRCGIALDAWMFPLGD EVYSRIPQPLFFINSEYFQYPANIIKMKKCYSPDKERKMITIRGSVHQNFA DFTFATGK

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IIGHMLKLKGDIDSNVAIDLSENKASLAFLQKHLGLHKDFDQWDCLIEGDDENLIPGTNI
NTTNQHIMLQNSSGIEKYN

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

GENE INFORMATION

Gene Name PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [Homo sapiens]

Official Symbol PLA2G7

Synonyms PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); platelet-activating factor acetylhydrolase; LDL PLA2; PAFAH; 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; PAFAD; LP-PLA2; LDL-PLA2;

Gene ID 7941

mRNA Refseq NM_001168357

Protein Refseq NP_001161829

MIM 601690

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