

Recombinant Human PLA2G2D Protein, Fc-tagged

Cat. No. PLA2G2D-463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLA2G2D (Q9UNK4) (Met1-Cys145) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-145 a.a.
Predicted N Terminal	Gly 21
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human PLA2G2D/Fc is a disulfide-linked homodimer. The reduced monomer comprises 366 amino acids and has a predicted molecular mass of 41.5 kDa. The apparent molecular mass of the protein is approximately 44 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name PLA2G2D phospholipase A2, group IID [Homo sapiens]

Official Symbol PLA2G2D

Synonyms PLA2G2D; phospholipase A2, group IID; group IID secretory phospholipase A2; sPLA2S; PLA2IID; sPLA2-IID; GIID sPLA2; secretory phospholipase A2s; phosphatidylcholine 2-acylhydrolase 2D; secretory-type PLA, stroma-associated homolog; SPLASH;

Gene ID 26279

mRNA Refseq NM_012400

Protein Refseq NP_036532

MIM 605630

UniProt ID Q9UNK4

Chromosome Location 1p36.12

Pathway Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Ether lipid metabolism, organism-specific

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biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem;

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