Recombinant Human PLA2G2D, Fc-tagged

Cat. No. PLA2G2D-365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human PLA2G2D (Q9UNK4) (Met1-Cys145) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Met1-Cys145
Form	Lyophilized from sterile PBS, pH7.4.
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℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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 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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Function	calcium ion binding; hydrolase activity; phospholipase A2 activity;

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