

Recombinant Full Length Human PLA2G12A Protein, C-Flag-tagged

Cat. No. PLA2G12A-207HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLA2G12A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Secreted phospholipase A2 (sPLA2) enzymes liberate arachidonic acid from phospholipids for production of eicosanoids and exert a variety of physiologic and pathologic effects. Group XII sPLA2s, such as PLA2G12A, have relatively low specific activity and are structurally and functionally distinct from other sPLA2s.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	20.9 kDa
AA Sequence	MALLSRPALTL LLLLMAAVVRCQEQAQT TDWRATLKTIRNGVHKIDTYLNAALDLLGG EDGLCQYKCS DG SKPFPRYGYKPSPPNGCGSPLFGVHLNIGIPSLTKCCNQHDRC YETCGKSKNDCDEEFQYCLSKICRDVQ KTLGLTQHVQACETTVELLFDSVIHLGCKPYLDSQRAACRCHYEKTDLTRTRPLEQ KLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	PLA2G12A phospholipase A2 group XIIA [Homo sapiens (human)]
Official Symbol	PLA2G12A
Synonyms	GXII; ROSSY; PLA2G12
Gene ID	81579
mRNA Refseq	NM_030821.5

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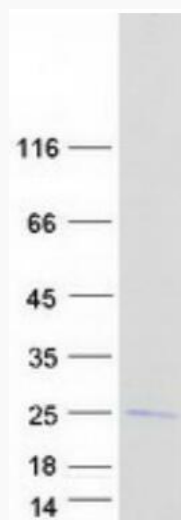
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Protein Refseq [NP_110448.2](#)

MIM [611652](#)

UniProt ID [Q9BZM1](#)



Coomassie blue staining of purified PLA2G12A protein.

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