

Recombinant Full Length Human PLA2G15 Protein, C-Flag-tagged

Cat. No. PLA2G15-409HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLA2G15 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.5 kDa
AA Sequence	MGLHLRPYRVGLLPDGLLFLLLLLMLLADPALPAGRHPVVLVPGDLGNQLEAKLDK PTVVHYLCSKKTE SYFTIWLNLELLLPVIIDCWIDNIRLVYNKTSRATQFPDGV DVRVP GFGKTFSLFLDPSKSSVGSYFHT MVESLVGWGYTRGEDVRGAPYDWRRAPNEN GPYFLALREMIEEMYQLYGGPVVLVAHSMGNMYTLYFLQR QPQAWKDKYIRAFVSL GAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQQRSVSTSWLLPYNYTWSPEK VF

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VQTPTINYTLRDYRKFFQDIGFEDGWLMRQDTEGLVEATMPPGVQLHCLYGTGVPT
PDSFYYESFPDR
DPKICFGDGDGTVNLKSALQCQAWQSRQEHQVLLQELPGSEHIEMLANATTLAYLK
RVLLGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
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	Secreted Protein
Protein Pathways	Glycerophospholipid metabolism, Lysosome
Full Length	Full L.

GENE INFORMATION

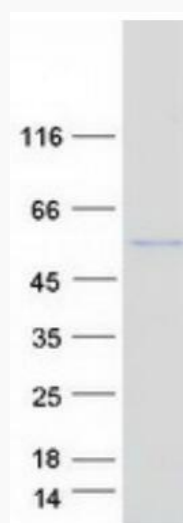
Gene Name	PLA2G15 phospholipase A2 group XV [Homo sapiens (human)]
Official Symbol	PLA2G15
Synonyms	ACS; LLPL; LPLA2; LYPLA3; GXVPLA2

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Gene ID	23659
mRNA Refseq	NM_012320.4
Protein Refseq	NP_036452.1
MIM	609362
UniProt ID	Q8NCC3



Coomassie blue staining of purified PLA2G15 protein.