Recombinant Full Length Human PLA2G15 Protein, GST-tagged

Cat. No. PLA2G15-6243HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LYPLA3 full-length ORF (NP_036452.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	412 amino acids
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. [provided by RefSeq
Molecular Mass	73.1 kDa
AA Sequence	MGLHLRPYRVGLLPDGLLFLLLLLMLLADPALPAGRHPPVVLVPGDLGNQLEAKLDK PTVVHYLCSKKTESYFTIWLNLELLLPVIIDCWIDNIRLVYNKTSRATQFPDGVDVRVP GFGKTFSLEFLDPSKSSVGSYFHTMVESLVGWGYTRGEDVRGAPYDWRRAPNEN GPYFLALREMIEEMYQLYGGPVVLVAHSMGNMYTLYFLQRQPQAWKDKYIRAFVSL

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	GAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQQRSAVSTSWLLPYNYTWSPEKVF VQTPTINYTLRDYRKFFQDIGFEDGWLMRQDTEGLVEATMPPGVQLHCLYGTGVPT PDSFYYESFPDRDPKICFGDGDGTVNLKSALQCQAWQSRQEHQVLLQELPGSEHIE MLANATTLAYLKRVLLGP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	PLA2G15 phospholipase A2, group XV [Homo sapiens]
Official Symbol	PLA2G15
Synonyms	PLA2G15; phospholipase A2, group XV; LYPLA3, lysophospholipase 3 (lysosomal phospholipase A2); group XV phospholipase A2; GXVPLA2; LLPL; 1-O-acylceramide synthase; lysosomal phospholipase A2; LCAT-like lysophospholipase; lysophospholipase 3 (lysosomal phospholipase A2); ACS; LPLA2; LYPLA3; DKFZp564A0122;
Gene ID	23659
mRNA Refseq	NM_012320

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Protein Refseq	NP_036452
MIM	609362
UniProt ID	Q8NCC3

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