

Recombinant Human PLA2G15 Protein, GST-tagged

Cat. No. PLA2G15-4545H **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	Wheat Germ
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	MGLHLRPYRVGLLPDGLLFLLLLMLLADPALPAGRHPVVLVPGDLGNQLEAKLDK PTVVHYLCSKKTESYFTIWLNLLELLLPVIIDCWIDNIRLVYNKTSRATQFPDGV DVRVP GFGKTFSLFLDPSKSSVGSYFHTMVESLVGWGYTRGEDVRGAPYDWRRAPNEN GPYFLALREMIEEMYQLYGGPVVLVAHSMGNMYTLYFLQRQPQAWKDKYIRAFVSL GAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQQRSAVSTSWLLPYNYTWSPEKVF VQTPTINYTLRDYRKFFQDIGFEDGWL MRQDTEGLVEATMPPGVQLHCLYGTGVPT

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	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
Protein Refseq	NP_036452

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MIM	609362
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UniProt ID	Q8NCC3
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