

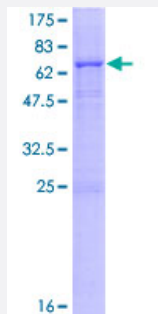
Full-Length

LYPLA3 (Human) Recombinant Protein (P01)

Catalog # H00023659-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LYPLA3 full-length ORF (NP_036452.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLHLRPYRVGLLPDGLLFLLLLMLLADPALPAGRHPVVLVPGDLGNQLEAKLDKPTVVHYLC
SKKTESYFTIWLNLLELLLPVIDCWIDNIRLVYNKTSRATQFPDGDVVRVPGFGKTFSLFLDPSKSS
VGSYFHTMVESLVGWGYTRGEDVRGAPYDWRAPNENGPYFLALREMIEEMYQLYGGPVVLA
HSMGNMYTLYFLQRQPQAWKDKYIRAFVSLGAPWGGVAKTLRVLASGDNNRIPVIGPLKIREQQR
SAVSTSWLLPYNYTWSPEKVFVQPTINYTLRDYRKFFQDIGFEDGWLMRQDTEGLVEATMPPGV
QLHCLYGTGPVTPDSFYYESFPDRDPKICFGDGDGTVNLKSALQCQAWQSRQEHQVLLQELPGS
EHIEMLANATTLAYLKRVLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.1

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLA2G15

Entrez GeneID [23659](#)

GeneBank Accession# [NM_012320.3](#)

Protein Accession# [NP_036452.1](#)

Gene Name PLA2G15

Gene Alias ACS, DKFZp564A0122, GXVPLA2, LLPL, LPLA2, LYPLA3

Gene Description phospholipase A2, group XV

Omim ID [609362](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations 1-O-acylceramide synthase|LCAT-like lysophospholipase|lysophospholipase 3 (lysosomal phospholipase A2)|lysosomal phospholipase A2

Pathway

- [Glycerophospholipid metabolism](#)
- [Lysosome](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)