

## Recombinant Human LYPLA2, His-tagged

**Cat. No.** LYPLA2-28844TH **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant full length protein, corresponding to amino acids 1-231 of Human LYPLA2, with N terminal His tag; 231 amino acids, 30kDa.                                                                                                       |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                       |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>            | 1-231 a.a.                                                                                                                                                                                                                                  |
| <b>Description</b>              | Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. There are alternatively spliced transcript variants described for this gene but the full length nature is not known yet. |
| <b>Conjugation</b>              | HIS                                                                                                                                                                                                                                         |
| <b>Form</b>                     | Lyophilised:Reconstitution with 77 µl aqua dest.                                                                                                                                                                                            |
| <b>Storage buffer</b>           | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                               |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                       |
| <b>Sequences of amino acids</b> | MCGNTMSVPLLDAATVSGAERETA AVIFLHGLGDTGHSWADALSTIRLPHVKYICP<br>HAPRIPVTLNMKVMPSWFDL MGLSPDAPED EAGIKKAAENIKALIEHEMKN GIPAN<br>RI VLGGFSQGGALS LYALTCPHPLAGIVALSCWLPLHRA FPQAANGSAKDLAILQC                                                     |

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|                              |                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                              | HGELDPMVPVRFGALTAEKLR SVVTPARVQFKTYPGVMHSSCPQEMAAVKEFLEK<br>LLPP V                                                |
| <b>Sequence Similarities</b> | Belongs to the AB hydrolase 2 family.                                                                             |
| <b>Full Length</b>           | Full L.                                                                                                           |
| <b>GENE INFORMATION</b>      |                                                                                                                   |
| <b>Gene Name</b>             | LYPLA2 lysophospholipase II [ Homo sapiens ]                                                                      |
| <b>Official Symbol</b>       | LYPLA2                                                                                                            |
| <b>Synonyms</b>              | LYPLA2; lysophospholipase II; acyl-protein thioesterase 2; APT 2;                                                 |
| <b>Gene ID</b>               | 11313                                                                                                             |
| <b>mRNA Refseq</b>           | NM_007260                                                                                                         |
| <b>Protein Refseq</b>        | NP_009191                                                                                                         |
| <b>Uniprot ID</b>            | O95372                                                                                                            |
| <b>Chromosome Location</b>   | 1p36.11                                                                                                           |
| <b>Pathway</b>               | Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; |
| <b>Function</b>              | hydrolase activity;                                                                                               |