

## LYPLA1 recombinant protein

LYPLA1, 1-230aa, Mouse, His tag, E Coli

|                              |                        |                                 |
|------------------------------|------------------------|---------------------------------|
| CATALOG #<br><b>AAA48569</b> | HOST<br><b>E. coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|------------------------|---------------------------------|

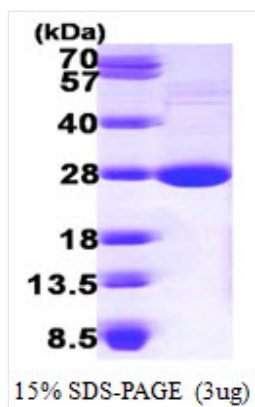
### PRODUCT SYNONYMS

LYPLA1; 1-230aa; Mouse; His tag; E Coli; Acyl-protein thioesterase 1; lysophospholipase 1; Pla1a; APT-1; LysoPLA I; LPL-I; APT1; LYPLA1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E. coli                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                    | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                           |
| Form/Format                                            | Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT                                                                                                                                                                                                           |
| Concentration                                          | 0.5 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Positions                                     | 1-230aa                                                                                                                                                                                                                                                                                     |
| Sequence                                               | MGSSHHHHH SSGLVPRGSH MCGNNMSAPM PAVVPAARKA TAAVIFLHGL GDTGHGWAEA FAGIKSPHIK<br>YICPHAPVMP VTLNMNMAMP SWFDIVGLSP DSQEDESGIK QAAETVKALI DQEVKNGIPS NRIILGGFSQ<br>GGALSLYTAL TTQQKLAGVT ALSCWLPLRA SFSQGPINSA NRDISVLQCH GDCDPLVPLM FGSLTVERLK<br>ALINPANVTF KIYEGMMHSS CQQUEMMDVKH FIDKLLPPID |
| Sequence Length                                        | 230                                                                                                                                                                                                                                                                                         |
| Applicable Applications for LYPLA1 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                    |
| Tag Information                                        | His-tag                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                                | Can be stored at 2-8°C for 1 week.<br>For long term storage, aliquot and store at -20°C to -80°C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                            |

### IMAGES



#### SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LYPLA1 recombinant protein | LYPLA1 is lysophospholipase that acts on biological membranes to regulate the multifunctional lysophospholipids. This protein hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS and also has depalmitoylating activity. Recombinant mouse LYPLA1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques |
| Product Categories/Family for LYPLA1 recombinant protein   | Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                                 | Schaloske R.H., et al. (2006) Biochim Biophys Acta. 1761:1246-1259.; Hiraoka M., et al. (2002) J. Biol. Chem 277:10090-10099.;                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 6678760                                  |
| NCBI GeneID                      | 18777                                    |
| NCBI Accession #                 | NP_032892                                |
| NCBI GenBank Nucleotide #        | NM_008866.3                              |
| UniProt Accession #              | P97823; Q3TJZ0; Q7TPX1; Q8BWM6           |
| Molecular Weight                 | 26.8 kDa (250aa), confirmed by MALDI-TOF |
| NCBI Official Full Name          | acyl-protein thioesterase 1 isoform 1    |
| NCBI Official Synonym Full Names | lysophospholipase 1                      |
| NCBI Official Symbol             | Lypla1                                   |
| NCBI Official Synonym Symbols    | APT-1; LPL-I; Pla1a; Gm39587             |
| NCBI Protein Information         | acyl-protein thioesterase 1              |
| UniProt Protein Name             | Acyl-protein thioesterase 1              |
| UniProt Gene Name                | Lypla1                                   |
| UniProt Synonym Gene Names       | Apt1; Pla1a; APT-1; LPL-I; LysoPLA I     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lypla1-recombinant-protein-e-coli-sds-page/48569>