

## Recombinant Rat Lipa protein, His & T7-tagged

**Cat. No.** Lipa-7938R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Lipa aa. (Asn32~Ile358 (Accession # Q64194)) fused with N-terminal His & T7 tag was produced in E. coli cells.             |
| <b>Species</b>          | Rat                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                     |
| <b>ProteinLength</b>    | Asn32~Ile358                                                                                                                               |
| <b>Description</b>      | Hydrolase that is involved in intracellular degradation of cholesteryl esters and triglycerides; mutation in gene causes Wolman's disease. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                        |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 41.1kDa                                                                                                          |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                              |
| <b>Purity</b>           | >95%                                                                                                                                       |
| <b>Characteristic</b>   | The isoelectric point is 7.3.                                                                                                              |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                    |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate                                                   |

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Lipa lipase A, lysosomal acid type [ Rattus norvegicus (Norway rat) ]</a>                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | <a href="#">Lipa</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | Lipa; lipase A, lysosomal acid type; LAL; Lip1; Chole; Chole2; lysosomal acid lipase/cholesteryl ester hydrolase; Cholesterol esterase (pancreatic) see D3Wox12 D3Wox13 D3Wox26 and D3Mgh25; acid cholesteryl ester hydrolase; cholesteryl esterase; lipase A, lysosomal acid, cholesterol esterase; lysosomal acid lipase 1; lysosomal acid lipase A; pancreatic cholesterol esterase; sterol esterase |
| <b>Gene ID</b>         | <a href="#">25055</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | <a href="#">NM_012732.3</a>                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | <a href="#">NP_036864.3</a>                                                                                                                                                                                                                                                                                                                                                                             |

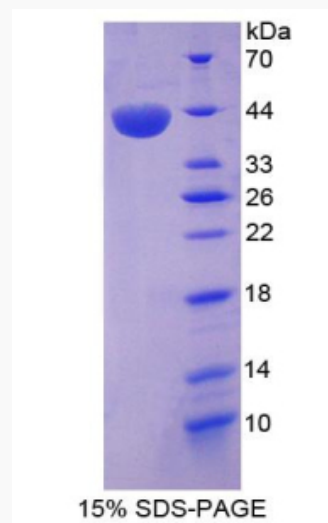
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**UniProt ID**

Q64194

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