

# Recombinant Human LIPI Protein, His-tagged

**Cat. No.** LIPI-2396H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Human LIPI Protein (Met1-Phe334) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Met1-Phe334                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | The protein encoded by this gene is a phospholipase that hydrolyzes phosphatidic acid to produce lysophosphatidic acid. Defects in this gene are a cause of susceptibility to familial hypertriglyceridemia. This gene is also expressed at high levels in Ewing family tumor cells. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 41.9 kDa<br>Accurate Molecular Mass: 40 kDa                                                                                                                                                                                                                                                                              |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                         |

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| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | LIPI lipase, member I [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | LIPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | LIPI; lipase, member I; lipase member I; cancer/testis antigen 17; CT17; LPDL; membrane associated phospholipase A1 beta; PRED5; LPD lipase; mPA-PLA1 beta; membrane-associated phospholipase A1 beta fl; membrane-associated phospholipase A1 beta 7B+; membrane-associated phospholipase A1 beta deltaE5; membrane-associated phospholipase A1 beta deltaE2-3; membrane-associated phospholipase A1 beta deltaE6.1; membrane-associated phospholipase A1 beta deltaE7.2; membrane-associated phospholipase A1 beta deltaE8-9; membrane-associated phosphatidic acid-selective phospholipase A1-beta; |
| <b>Gene ID</b>          | 149998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>      | NM_198996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|----------------|-----------|
| Protein Refseq | NP_945347 |
| MIM            | 609252    |
| UniProt ID     | Q6XZB0    |

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