

# Recombinant Full Length Glycerol-3-Phosphate Acyltransferase(Plsy) Protein, His-Tagged

**Cat. No.** RFL975EF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length Glycerol-3-phosphate acyltransferase(plsY) Protein (P60784) (1-205aa), fused to N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | E.coli  |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length (1-205)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MSAIAPGMILIAYLCGSISSAILVCRLCGLPDPRTSGSGNPGATNVLRIGGKGA AVAVL<br>I FDVLKGM LPVWGAYELGVSPFWLGLIAIAACLGH IWPVFFGFKGGKGVATAFGAIA<br>PIGW DLTGVMAGTWLLTVLLSGYSSLGAIVSALIAPFYVWWFKPQFTFPVSM LSLI<br>LLRHHDN IQRLWRRQETKIWTKFKRKREKDPE |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.   |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.  |

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**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** plsY

**Synonyms** plsY; ygiH; Z4412; ECs3942; Glycerol-3-phosphate acyltransferase; G3P acyltransferase; GPAT; Lysophosphatidic acid synthase; LPA synthase

**UniProt ID** [P60784](#)

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