

# Recombinant Full Length *Synechococcus Elongatus* Glycerol-3-Phosphate Acyltransferase(plsY) Protein, His-Tagged

**Cat. No.** RFL281SF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length <i>Synechococcus elongatus</i> Glycerol-3-phosphate acyltransferase(plsY) Protein (Q31LI2) (1-210aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
<b>Species</b>	<i>Synechococcus elongatus</i>
<b>Source</b>	<i>E. coli</i>
<b>Protein Length</b>	Full Length (1-210)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MLLSVVAIALLAYLLGSFPAGYLAGRWLKGIDIRKEGSGSTGATNVLRLV LGKGPALVV FI TDILKGVLA VVAARAIAS TNGLDPSAIAWLA AFAAIIAVVGHSLPVWLSFRGGK SVA TSL GVLLALSPVVGLSGFGAFL LLLALFRIVSLGSIAGAITVIVLMLLILPEPLPNKILGIAS G IYVIYRHRSNLDRLRRGEEPRIGQRLSTNR
<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 multiple 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; Synpcc7942\_2057; Glycerol-3-phosphate acyltransferase; Acyl-PO4 G3P acyltransferase; Acyl-phosphate--glycerol-3-phosphate acyltransferase; G3P acyltransferase; GPAT; Lysophosphatidic acid synthase; LPA synthase

**UniProt ID**

[Q31LI2](#)

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