

Recombinant Full Length Cyanothece Sp. Glycerol-3-Phosphate Acyltransferase(Plsy) Protein, His-Tagged

Cat. No. RFL19890CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Cyanothece sp. Glycerol-3-phosphate acyltransferase(plsY) Protein (B7JUX4) (1-217aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Cyanothece sp.
Source	E.coli
ProteinLength	Full Length (1-217)
Form	Lyophilized powder
AA Sequence	MAWAISGLLVILGYLLGSIPTGYLMVRALKGIDIREQSGSGTGATNVLRTVGKTAIAV L IIDMLKAMVAVGGVKLLYFGVPSAIVPLDWKPWLIVTVASAAILGHSKSIFLNFTGGK SV ASSLGVLLVLNPLVALGALASFLFMLGITRIVSLSSITGAIAVNLLMLVLHQPLAYIL FA ILAGIYVIVRHKTNISRILQGTEPKIGQKLTEEAETV
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	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
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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; PCC8801_2827; Glycerol-3-phosphate acyltransferase; Acyl-PO4 G3P acyltransferase; Acyl-phosphate--glycerol-3-phosphate acyltransferase; G3P acyltransferase; GPAT; Lysophosphatidic acid synthase; LPA synthase

UniProt ID[B7JUX4](#)

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