

Recombinant Full Length *Thermosynechococcus Elongatus* Photosystem II Protein D1 1(Psba1) Protein, His-Tagged

Cat. No. RFL11964TF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Thermosynechococcus elongatus</i> Photosystem II protein D1 1(psbA1) Protein (P0A444) (1-344aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Thermosynechococcus elongatus</i>
Source	<i>E. coli</i>
Protein Length	Full Length (1-344)
Form	Lyophilized powder
AA Sequence	<p>MTTTLQRRESANLWERFCNWVTSTDNRLYVGWFGVIMIPTLLAATICFVIAFIAAPPV DI DGIREPVSGSLLYGNNITGAVVPSSNAIGLHFYPIWEAASLDEWLYNGGPYQLIIF HFL LGASCYMGRQWELSYRLGMRPWICVAYSAPLASAFVFLIYPIGQGSFSDGMP LGISGTF NFMIVFQAEHNILMHPFHQLGVAGVFGGALFCAMHGSLVTSSLIRETTET ESANYGYKFG QEEETYNIVAAHGYFGRLIFQYASFNNSRSLHFFLAAWPVVGWVFT ALGISTMAFNLNGF NFNHSVIDAKGNVINTWADIINRANLGMEVMHERNAHNFLDL A</p>
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.

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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.
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GENE INFORMATION

Gene Name	psbA1
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Synonyms	psbA1; psbA-1; tlr1843; Photosystem II protein D1 1; PSII D1 protein 1; Photosystem II Q(B protein 1
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UniProt ID	P0A444
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