

Recombinant Full Length Staurastrum Punctulatum Photosystem Q(B) Protein(Psba) Protein, His-Tagged

Cat. No. RFL34731SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Staurastrum punctulatum Photosystem Q(B) protein(psbA) Protein (Q32RX1) (1-344aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Staurastrum punctulatum (Green alga) (Cosmoastrum punctulatum)
Source	E.coli
ProteinLength	Full Length (1-344)
Form	Lyophilized powder
AA Sequence	MTATLERRESANLWARFCDWITSTENRLYIGWFGVLMFPLLLTATSVFIIAFIAAPPVD IDGIREPVAGSLLYGNNIISGAIVPSSAAIGLHFYPIWEAASVDEWLYNGGPYELIVLH FL LGVACYMGREWELSFRLGMRPWIAVAYSAPVAAATAVFLIYPIGQGSFSDGMPL GISGTF NFMIVFQAEHNILMHPFHMLGVAGVFGGSLFSAMHGSLVTSSLIRETTENE SVNSGYKFG QEFETYNIVAAHGYFGRLIFQYASFNNSRSLHFFLAAWPVVCIWFTAL GISTMAFNLNGF NFNQSVVDSQGRVINTWADIINRANLGMEVMHERNAHNFPDLA
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

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repeated freeze-thaw cycles.

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

psbA

Synonyms

psbA; Photosystem II protein D1; PSII D1 protein; Photosystem II Q(B protein

UniProt ID

[Q32RX1](#)

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