

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 <i>Staurastrum punctulatum</i> Photosystem Q(B) protein(psbA) Protein (Q32RX1) (1-344aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Staurastrum punctulatum</i> (Green alga) (<i>Cosmoastrum punctulatum</i>)
Source	<i>E. coli</i>
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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