

Recombinant Full Length Nostoc Sp. Photosystem Q(B) Protein 3(Psba5) Protein, His-Tagged

Cat. No. RFL1744NF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Nostoc sp. Photosystem Q(B) protein 3(psbA5) Protein (Q8YQS7) (1-344aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Nostoc sp.
Source	E.coli
ProteinLength	Full Length (1-344)
Form	Lyophilized powder
AA Sequence	MTTLLEQRSSANLWHRFGNWITSTENRMYVGWFGVLLIPTALTAAIVFILAFIAAPPV DV DGIREFVSGSLLYGNNIATVVPTSAAIGLHLYPIWEAASLDEWLYNGGPYQMIV LHFL IAIYAYMGRQWELSYRLGMRPWIPVAFSAPVAAATAVLLIYPIGQGSFSDGMM LGISGTF NFMIVFSPEHNILMHPFHMIGVAGVFGGALFSAMHGSLVTSTLVRETSEV ESANTGYKFG QEEETYNIVAAHGYFGRLIFQYASFNNSRSLHFFLAAWPVIGIWFAA LGISTMSFNLNGF NFNNSILDHQGRITDITWADLLNRANLGIEVMHERNAHNFPDLA
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 psbA5

Synonyms psbA5; psbA-5; alr3742; Photosystem II protein D1 3; PSII D1 protein 3; Photosystem II Q(B protein 3

UniProt ID [Q8YQS7](#)

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