

Recombinant Full Length Nephroselmis Olivacea Photosystem Ii Cp47 Chlorophyll Apoprotein(Psbb) Protein, His-Tagged

Cat. No. RFL35847NF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Nephroselmis olivacea Photosystem II CP47 chlorophyll apoprotein(psbB) Protein (Q9TKW4) (1-508aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Nephroselmis olivacea (Green alga)
Source	E.coli
ProteinLength	Full Length (1-508)
Form	Lyophilized powder
AA Sequence	MGLPWYRVHTTVLNDPGRLIAVHLMHTALVSGWAGSMALYEISVFDPSDPVLNPM WRQGM FVIPFMTRLGVTKSWGGWSITGESVSNPGIWSYEGVATAHILLSGALFMA AIWHWVFWDL ELFRDPRTGEPALDLPKIFGIHLFLSGLLCFGFGAFHVTGLYGPGIW VSDPYGITGSVQP VEPAWGPEGFDPFNPGGIASHHIAAGILGILAGLFHLSVRPPQR LYKALRMGNVETVLSS SIAAVFWAAFVVS GMTMWYGSAATPIELFGPTRYQWDQGF FQQEIEKRVQGS LASGASLSD AWAKIPEKLSFYDYIGNNPAKGGLFRAGAMNSGDG IAAGWLGHVPVFTDKAGNELFVRRMP TFFETFPVLLVDKDG VVRADV PFRR AESKYS IEQVGVS VTFYGGELDG VTFNDPSTVKKY ARRAQLG SVFEFDRATLQSDGVFRSSP RGWFTFGHLWFALLFFFGHIWHGARTIFRDVFG GIDPD LDDQVEFGAFQKLGDVTT RRQAV
Purity	Greater than 90% as determined by SDS-PAGE.

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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.
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	psbB
Synonyms	psbB; Photosystem II CP47 reaction center protein; PSII 47 kDa protein; Protein CP-47
UniProt ID	Q9TKW4

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