

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

Cat. No. RFL29536PF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Photosystem II CP47 chlorophyll apoprotein(psbB) Protein (Q1XDG4) (1-509aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Pyropia yezoensis (Susabi-nori) (Porphyra yezoensis)
Source	E.coli
ProteinLength	Full Length (1-509)
Form	Lyophilized powder
AA Sequence	MGLPWYRVHTTVLNDPGRLIAVHLMHTALVAGWAGSMALYELAVFDPSPDPVLNPM WRQGM FVMPFMARLGVTDSWGGWSITGESVSNPGLWSFEGVALTHIVLSGMLFL AAIWHWVYWDL ELFRDPRTGEPALDLPKIFGIHLLSSLLCFGFGAFHVTGLFGPGM WVSDGYGVTGKVLP VAPAWGPEGFNPFNPGGVASHHIAAGTVGILAGVFHLTVRP PQRLYRALRMGNIETVLSS SISAVFFSAFVTCGTMWYGSATTPIELFGPTRYQWDS GYFQQEIEKRVENAIADGAAPSE AWSRIPDKLAFYDYIGNNPAKGGLFRAGPMNKG DGVAEAWLGHVPVFQDKEGRELSVRRMP AFFETFPVILVDKDGIIRADIPFRRAESKY SIEQVGVTASFYGGKLNQVFNDAPSVKKY ARKAQLGEVFEFDRTTLES DGVFRSS PRGWFTFGHANFALIFFFGHLWHGSRITIFRDVFA GIGAEVTEQVEFGAFQKLGDRS SKKQGAV
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 multiple 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	Q1XDG4

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