

Recombinant Full Length Populus Trichocarpa Photosystem II Cp47 Chlorophyll Apoprotein(Psbb) Protein, His-Tagged

Cat. No. RFL23650PF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Populus trichocarpa Photosystem II CP47 chlorophyll apoprotein(psbB) Protein (A4GYT7) (1-508aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Populus trichocarpa (Western balsam poplar) (Populus balsamifera subsp. trichocarpa)
Source	E.coli
ProteinLength	Full Length (1-508)
Form	Lyophilized powder
AA Sequence	MGLPWYRVHTTVLNDPGRLLAVHIMHTALVAGWAGSMALYELAVFDPSPDVLDP WRQGM FVIPFMTRLGITNSWGGWSITGGTITNPGIWSYEGVAGAHIVFSGLCFLAAI WHWVYWDL EIFCDERTGKPSLDLPKIFGIHLFLSGVACFGFGAFHVTGLYGPGIWW SDPYGLTGKVQS VNPAWGVEGFDPFVPGGIASHHIAAGTLGILAGLFHLSVRPPQR LYKGLRMGNIETVLSS SIAAVFFAAAFVAGTMWYGSATTPIELFGPTRYQWDQGYF QQEIYRRVGTGLAENQSLSE AWSKIPEKLAFYDYIGNNPAKGGLFRAGSMDNGDGI AIGWLGHPLFRDKEGRELFVRRMP TFFETFPVVLVDGDGIVRADVPFRRAESKYSV EQVGVTVEFYGGELNGVSYSDPATVKKY ARRAQLGEIFELDRATLKSDGVFRSSPR GWFTFGHASFALLFFFGHIWHGSRTLFRDVFA GIDPDLDQAQVEFGAFQKLGDPTTR RQVV

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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 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; Poptr_cp049; Photosystem II CP47 reaction center protein; PSII 47 kDa protein; Protein CP-47
UniProt ID	A4GYT7

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