

# Recombinant Full Length Populus Alba Photosystem Ii Cp43 Chlorophyll Apoprotein(Psbc) Protein, His-Tagged

**Cat. No.** RFL3496PF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Populus alba Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (Q14FG1) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**      Populus alba (White poplar)

**Source**      E.coli

**ProteinLength**      Full Length of Mature Protein (15-473)

**Form**      Lyophilized powder

**AA Sequence**

```
TLFNGLALAGRDQETTGFVWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF
EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVIDTFYPYFVSGVLHLISSAVLGF
GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGIGAFLLVFKALYFGGVY
DTWAPGGG DVRKITNLTLSPSVIFGYLLKSPFGGEGWIVSVDLLEDIIGGHVWLGI
CILGGIWHILT KPFAWARRALVWSGEAYLSYSLGALAVFGFIACCFVWFNNTAYPSE
FYGPTGPEASQAQA FTFLVRDQRLGANVGSAAQGPTGLGKYLMSPTGEVIFGGET
MRFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMTHAPLGSLSVGG
VATEINAVNYVSPRSWLATSHFVLG FFLFVGHLLWHAGRARAAAAGFEKGIDRDFEP
VLSMTPLN
```

**Purity**      Greater than 90% as determined by SDS-PAGE.

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<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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

<b>Gene Name</b>	psbC
<b>Synonyms</b>	psbC; Photosystem II CP43 reaction center protein; PSII 43 kDa protein; Protein CP-43
<b>UniProt ID</b>	<a href="#">Q14FG1</a>

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