

# Recombinant Full Length Fagopyrum Esculentum Subsp. Ancestrale Photosystem Ii Cp43 Chlorophyll Apoprotein(Psbc) Protein, His-Tagged

**Cat. No.** RFL30923FF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Fagopyrum esculentum subsp. ancestrale Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (B2XWK1) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Fagopyrum esculentum subsp. ancestrale (Wild buckwheat)
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length of Mature Protein (15-473)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	TLFNGLALTSRDQETTGF AWWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVIDTFPYFVSGVLHLISSAVLGF GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGLGAFLLVFKALFFGGIY DTWAPGGG DVRKITNLTLSPSIIFGYLLKSPFGGEGWIVSVDDLEDIIGGHVWLGSICI LGGIWHILT KPFAWARRALVWSGEAYLSYSLGALS VFGFIACCFVWFNNTAYPSEF YGPTGPEASQAQA FTFLVRDQRLGANVGS AQQPTGLGKYL MRSPTGEVIFGGETM RFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMT HAPLGLSLSVGGVA TEINAVNYVSPRSWLATSHFVLG FFLVVGHLWHAGRARAAAAGFEKGIDRDFEPVL SMTPLN
<b>Purity</b>	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 multiple 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="#">B2XWK1</a>

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