

# Recombinant Full Length *Leptosira Terrestris* Photosystem II Cp43 Chlorophyll Apoprotein(Psbc) Protein, His-Tagged

Cat. No. RFL31995PF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length *Leptosira terrestris* Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (A6YG77) (3-461aa), fused to N-terminal His tag, was expressed in *E. coli*.

**Species** *Pleurastrum terricola* (Filamentous green alga) (*Leptosira terrestris*)

**Source** *E. coli*

**ProteinLength** Full Length of Mature Protein (3-461)

**Form** Lyophilized powder

**AA Sequence**

```
TLFNGTLTIGGRDQESTGFAWWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF
EVAH FVPEKPMYEQGLILLPHLATIGYGVGPGGEVVDTFPYFVSGVLHLISSAVLGF
GGVYHAL IGPETLEESFPFFGYVWRDKNKMTTILGIHLIILGIGAWLLVWKALYFGGV
YDTWAPGGG DVRVITNPTTSPAIVIFGYLLKSPFGGDGWIVSVDNMEMIIGGHIWIGT
LEIFGGLWHIFT KPWAARRAFVWSGEAYLSYSLAAVSVMGFIACCMSWFNNTAY
PSEFFGPTGPEASQSQA FTFLVRDQRLGANVASAQQPTGLGKYLMSRPTGEIIFGG
ETMRFWDFRGPWLEPLRSSNG LDLNKLKNDIQPWQERRAAEYMTHAPLGLNSV
GGVATEINAVNFVSPRSWLACSHFCLG FFFFVGHLLWHAGRARAAAAGFEKGIDRD
NEPVLSMRPLD
```

**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 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.
<b>GENE INFORMATION</b>	
<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="#">A6YG77</a>

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