

Recombinant Full Length Huperzia Lucidula Photosystem II Cp43 Chlorophyll Apoprotein(PsbC) Protein, His-Tagged

Cat. No. RFL35886HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Huperzia lucidula Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (Q5SCW5) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Huperzia lucidula (Shining clubmoss) (Lycopodium lucidulum)
Source	E.coli
ProteinLength	Full Length of Mature Protein (15-473)
Form	Lyophilized powder
AA Sequence	TLFNGLALGGRDQETTGF AWWAGNARLINLSGKLLGAHVAHGGLIVFWAGAMNLF EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVVDIFPYFVSGVLHLISSAVLGF GGIYHAI IGPETLEESFPFFGYAWKDKNKMTTILGIHLILLGAGAFLSVLKALYFGGVY DTWAPGGG DVRKITNLTNPSVVF GYLLKSPFGGEGWIVSVDNLEDIIGGHVWL GSI CIFGGIWHIST KPF A WARRAFVWSGEAYLSYSLGALS VFGFIACCF AWFNNTAYPSE FYGPTGPEASQAQA FTFLVRDQRLGANVGS AQGPTGLGKYL MRSPTGEIIFGGET MRFWDLRAPWLEPLRGPNG LDLSKLLKDIQPWQERRSAEY MTHAPL GSLNSVGG VATEINAVNYVSPRSWLATSHFVSG FFFVGHLLWHAGRARAAAAGFEK GIDRDFEP VLSTTPLN
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	psbC
Synonyms	psbC; Photosystem II CP43 reaction center protein; PSII 43 kDa protein; Protein CP-43
UniProt ID	Q5SCW5

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