

Recombinant Full Length Crucihimalaya Wallichii Photosystem II Cp43 Chlorophyll Apoprotein(Psbc) Protein, His-Tagged

Cat. No. RFL31477CF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Crucihimalaya wallichii Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (A4QKS7) (15-473aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Crucihimalaya wallichii (Rock-cress) (Arabidopsis campestris) |
| Source | E.coli |
| ProteinLength | Full Length of Mature Protein (15-473) |
| Form | Lyophilized powder |
| AA Sequence | TLFNGLALAGRDQETTGF AWWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVIDTFPYFVSGVLHLISSAVLGF GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGVGAFLLVFKALYFGGV YDTWAPGGG DVRKITNLTLSPSVIFGYLLKSPFGGEGWIVSVDDLEDIIEGHVWLGS CIFGGIWHILT KPFAWARRALVWSGEAYLSYLAALSVCGFACCFVWFNNTAYPSE FYGPTGPEASQAQA FTFLVRDQRLGANVGSAAQGPTGLGKYLMSPTGEVIFGGET MRFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMT HAPLGSLSNSVGG VATEINAVNYVSPRSWLSTSHFVLG FFLFVGHLWHAGRARAAAAGFEKGIDRDFEP VLSMTPLN |
| Purity | Greater than 90% as determined by SDS-PAGE. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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 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

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| Gene Name | psbC |
| Synonyms | psbC; Photosystem II CP43 reaction center protein; PSII 43 kDa protein; Protein CP-43 |
| UniProt ID | A4QKS7 |

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