

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

Cat. No. RFL9840MF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Manihot esculenta Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (B1NWE6) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.

Species Manihot esculenta (Cassava) (Jatropha manihot)

Source E.coli

ProteinLength Full Length of Mature Protein (15-473)

Form Lyophilized powder

AA Sequence

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TLFNGLTSLAGRDQETTGFVWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF
EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVIDTFPYFVSGVLHLISSAVLGF
GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGIGAFLLVFKALYFGGVY
DTWAPGGG DVRKITNLTLSPSVIFGYLLKSPFGGEGWIVSVDLEDIIGGHVWLGI
CILGGIWHILT KPFAWARRALVWSGEAYLSYSLGALS VFGFIACCFVWFNNTAYPSE
FYGPTGPEASQAQA FTFLVRDQRLGANVGSAAQGPTGLGKYL MRSPTGEVIFGGET
MRFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMTHAPLGSLNSVGG
VATEINAVNYVSPRSWLATSHFVLG FFLFVGHLWHAGRARAAAAGFEKGIDRDFEP
VLSMTPLN
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Purity Greater than 90% as determined by SDS-PAGE.

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 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 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 | B1NWE6 |

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