

Recombinant Full Length Sorghum Bicolor Photosystem Ii Cp43 Chlorophyll Apoprotein(PsbC) Protein, His-Tagged

Cat. No. RFL30499SF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Sorghum bicolor Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (A1E9R0) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.

Species Sorghum bicolor (Sorghum) (Sorghum vulgare)

Source E.coli

ProteinLength Full Length of Mature Protein (15-473)

Form Lyophilized powder

AA Sequence

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TLFNGTFVLAGRDQETTGFVWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF
EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVLDTFPYFVSGVLHLISSAVLGF
GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGLGAFLLVLKALYFGGVY
DTWAPGGG DVRKITNLTSPGVIFGYLLKSPFGGEGWIVSVDDLEDIIGGHVWLGSI
CVLGGIWHILT KPFAWARRAFVWSGEAYLSYSLGALSVFVGFACCFVWFNNTAYPS
EFYGPTGPEASQAQA FTFLVRDQRLGANVGSAAQGPTGLGKYLMSPTGEVIFGGE
TMRFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMTTHAPLGLSLNSVG
GVATEINAVNYVSPRSWLATSHFVLG FFFVGHLLWHAGRARAAAAGFEKIDRDLE
PVLVMTPLN
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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

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	A1E9R0

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