

Recombinant Full Length Calycanthus Floridus Var. Glaucus Photosystem Ii Cp43 Chlorophyll Apoprotein(Psbc) Protein, His-Tagged

Cat. No. RFL29231CF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Calycanthus floridus var. glaucus Photosystem II CP43 chlorophyll apoprotein(psbC) Protein (Q7YJX6) (15-473aa), fused to N-terminal His tag, was expressed in E. coli.

Species Calycanthus floridus var. glaucus (Eastern sweetshrub) (Calycanthus fertilis var. ferax)

Source E.coli

ProteinLength Full Length of Mature Protein (15-473)

Form Lyophilized powder

AA Sequence

TLFNGTLALAGRDQETTGF AWWAGNARLINLSGKLLGAHVAHAGLIVFWAGAMNLF
 EVAH FVPEKPMYEQGLILLPHLATLGWGVGPGGEVIDTFPYFVSGVLHLISSAVLGF
 GGIYHAL LGPETLEESFPFFGYVWKDRNKMTTILGIHLILLGIGAFLLVLKALYFGGVY
 DTWAPGGG DVRKITNLTSPGVIFGYLLKSPFGGEGWIVSVDDLEDIIGGHVWLGSI
 CILGGIWHILT KPFAWARRAFVWSGEAYLSYSLGALS VFGFIACCFVWFNNTAYPSE
 FYGPTGPEASQAQA FTFLVRDQRLGANVGS AQGPTGLGKYL MRSPTGEVIFGGET
 MRFWDLRAPWLEPLRGPNG LDLSRLKKDIQPWQERRSAEYMTHAPLGSLNSVGG
 VATEINAVNYVSPRSWLATSHFVLG FFLFVGHLWHAGRARAAAAGFEKGIDRDFEP
 VLSMTPLN

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Purity	Greater than 90% as determined by SDS-PAGE.
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	
Gene Name	psbC
Synonyms	psbC; Photosystem II CP43 reaction center protein; PSII 43 kDa protein; Protein CP-43
UniProt ID	Q7YJX6

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