

Recombinant Full Length *Chenopodium Rubrum* Photosystem Q(B) Protein Protein, His-Tagged

Cat. No. RFL29546OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Chenopodium rubrum</i> Photosystem Q(B) protein Protein (P69565) (2-344aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Oxybasis rubra</i> (Red goosefoot) (<i>Chenopodium rubrum</i>)
Source	<i>E.coli</i>
ProteinLength	Full Length of Mature Protein (2-344)
Form	Lyophilized powder
AA Sequence	TAILERRESESLWGRFCNWITSTENRLYIGWFGVLMIPTLLTATSVFIIAFAAPPVDID GIREPVSGSLLYGNNIISGAIPTSAAGLHFYPIWEAASVDEWLYNGGPYELIVLHFL GVACYMGREWELSFRLGMRPWIAVAYSAPVAAATAVFLIYPIGQGSFSDGMPLGIS GTFN FMIVFQAEHNILMHPFHMLGVAGVFGGSLFSAMHGSLVTSSLIRETTENESAN EGYRFGQ EEETYNIVAAHGYFGRILFYASFNNRSLHFFLAAWPVVGIWFTALGIS TMAFNLNGFN FNQSVVDSQGRVINTWADIINRANLGMEVMHERNAHNFLDLA
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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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	psbA
Synonyms	psbA; Photosystem II protein D1; PSII D1 protein; Photosystem II Q(B protein
UniProt ID	P69565

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