

Recombinant Full Length *Amaranthus Hybridus* Photosystem Q(B) Protein Protein, His-Tagged

Cat. No. RFL25311AF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Amaranthus hybridus</i> Photosystem Q(B) protein Protein (P02956) (2-344aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Amaranthus hybridus</i> (Slim amaranth)
Source	<i>E. coli</i>
ProteinLength	Full Length of Mature Protein (2-344)
Form	Lyophilized powder
AA Sequence	<p>TAILERRESESLWGRFCNWITSTENRLYIGWFGVLMIPTLLTATSVFIIAFAAPPVDID GIREPVSGSLLYGNIIISGAIPTSAAGLHFYPIWEAASVDEWLYNGGPYELIVLHFL GVACYMGREWELSFRLGMRPWIAVAYSAPVAAATAVFLIYPIGQGSFSDGMPLGIS GTFN FMIVFQAEHNILMHPFHMLGVAGVFGGSLFSAMHGSLVTSSLIRETTENESAN EGYRFGQ EEETYNIVAAHGYFGRLIFQYASFNNSRSLHFFLAAWPVIGIWFTALGIST MAFNLNGFN FNQSVVDSQGRVINTWADIINRANLGMVMHERNAHNFPLDLA</p>
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

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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

[P02956](#)

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