

Recombinant Full Length *Odontella Sinensis* Photosystem II D2 Protein(PsbD) Protein, His-Tagged

Cat. No. RFL11264OF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Odontella sinensis</i> Photosystem II D2 protein(psbD) Protein (P49478) (1-351aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Odontella sinensis</i> (Marine centric diatom) (<i>Biddulphia sinensis</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-351)
Form	Lyophilized powder
AA Sequence	MTIAIGQNQERGLFDLIDDWLKKDRFVFIGWSGLLLFPTAYLAAGGWMGTTFVTSW YTH GLASSYLEGCNFLTAAVSTPANSMGHSLLLLWGPEAQGDFTRWCQIGGLWAFI ALHGAFG LIGFCLRQFEIARLVGIRPYNAIAFSGPIAVFVSVFLLYPLGQASWFFAPSF GVAAIFRF LLFLQGFHNWTLNPFHMMGVAGILGGALLCAIHGATVENTLFEDGDAAN TFRAFTPTQSE ETYSMTANRFWSQIFGVAFSNKRWLHFFMLFVPVTGLWTSAGIV GLALNLRAYDFVSQ ELRAAEDPEFETFYTKNILLNEGIRAWMAAQDQPHENFVFPE EVLPRGNAL
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

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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**

psbD

Synonyms

psbD; Photosystem II D2 protein; PSII D2 protein; Photosystem Q(A protein

UniProt ID

[P49478](#)

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