

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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> .                                                                                                                                                                                                              |
| <b>Species</b>          | <i>Odontella sinensis</i> (Marine centric diatom) ( <i>Biddulphia sinensis</i> )                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Full Length (1-351)                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MTIAIGQNQERGLFDLIDDWLKKDRFVFIGWSGLLLFPTAYLAAGGWMGTTFVTSW<br>YTH GLASSYLEGCNFLTAAVSTPANSMSGHSLLLLWGPEAQGDFTRCQIGGLWAFI<br>ALHGAFG LIGFCLRQFEIARLVGIRPYNAIAFSGPIAVFVSVFLLYPLGQASWFFAPSF<br>GVAAIFRF LLFLQGFHNWTLNPFHMMGVAGILGGALLCAIHGATVENTLFEDGDAAN<br>TFRAFTPTQSE ETYSMTANRFWSQIFGVAFSNKRWLHFFMLFVPVTGLWTSAGIV<br>GLALNLRAYDFVSQ ELRAAEDPEFETFYTKNILLNEGIRAWMAAQDQPHENFVFPE<br>EVLPRGNAL |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | 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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