

# Recombinant Full Length *Oryza Sativa* Subsp. *Indica* Photosystem II D2 Protein(Psbd) Protein, His-Tagged

Cat. No. RFL16679OF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length <i>Oryza sativa</i> subsp. <i>indica</i> Photosystem II D2 protein(psbD) Protein (POC436) (1-353aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
<b>Species</b>	Rice
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	Full Length (1-353)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MTIALGRVTKEENDLFDIMDDWLRRDRFVFGWSGLLLFPCAYFALGGWFTGTTFFV TSWY THGLASSYLEGCNFLTAAVSTPANS LAHSLLLLWGPEAQGDFTRWCQLGGL WTFVALHGA FALIGFMLRQFELARSVQLRPYNAISFSGPIAVFVSVFLIYPLGQSGWF FAPSGVAAIF RFILFFQGFHNWTLNPFHMMGVAGVLGAALLCAIHGATVENTLFED GDGANTFRAFNPQTQ AEETYSMVTANRFWSQIFGVAFSNKRWLHFFMLFVPVTGLW MSAIGVVGLALNLRAYDFV SQEIRAAEDPEFETFYTKNILLNEGIRAWMAAQDQPHE NLIFPEEVLPRGNAL
<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; 9311016; Photosystem II D2 protein; PSII D2 protein; Photosystem Q(A protein

**UniProt ID**

[P0C436](#)

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