

Recombinant Full Length *Dioscorea elephantipes* Photosystem II D2 Protein(Psbd) Protein, His-Tagged

Cat. No. RFL2356DF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length <i>Dioscorea elephantipes</i> Photosystem II D2 protein(psbD) Protein (A6MMK2) (1-353aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> . |
| Species | <i>Dioscorea elephantipes</i> (Elephant's foot yam) (<i>Testudinaria elephantipes</i>) |
| Source | <i>E. coli</i> |
| ProteinLength | Full Length (1-353) |
| Form | Lyophilized powder |
| AA Sequence | MTIAAGRFTKEENDLFDIMDDWLRRDRFVFGWSGLLLFP CAYFALGGWFTGTTFV TSWY THGLASSYLEGCNFLTAAVSTPANS LAHSLLLLWGPEAQGDFTRWCQLGGL WTFVALHGA FGLIGFMLRQFELARSVQLRPYNAIAFSAPIAVFVSVFLIYPLGQSGWF FAPSGVAAIF RFILFFQGFHNWTLNPFHMMGVAGVLGAALLCAIHGATVENTLFED GDGANTFRAFNPQTQ AEETYSMVTANRFWSQIFGVAFSNKRWLHFFMLFVPVTGLW MSALGVVGLALNLRAYDFV SQEIRAAEDPEFETFYTKNILLNEGIRAWMAAQDQPHE NLIFPEEVLPRGNAL |
| 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. |

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| Storage | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| Storage Buffer | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| 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. |
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GENE INFORMATION

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| Gene Name | psbD |
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| Synonyms | psbD; Photosystem II D2 protein; PSII D2 protein; Photosystem Q(A protein |
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| UniProt ID | A6MMK2 |
|-------------------|------------------------|

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