

Recombinant Full Length Heterosigma Carterae Photosystem Q(B) Protein(Psba) Protein, His-Tagged

Cat. No. RFL8633HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Heterosigma carterae Photosystem Q(B) protein(psbA) Protein (Q32389) (1-344aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Heterosigma akashiwo |
| Source | E.coli |
| ProteinLength | Full Length (1-344) |
| Form | Lyophilized powder |
| AA Sequence | <p>MTATLERRESFSLWERFCSWITSTENRLYIGWFGVLMIPTLLTATSCYIIAFAIAPPVDI DGIREPVAGSLMYGNNIITGAVIPSSNAIGVHFYPIWEAASLDEWLYNGGPYQLIVLHF L LGVASYMGREWELSYRLGMRPWIFVAFSAPVAAASAVFLVYPIGQGSFSDGMPL GISGTF NFMLVFQAEHNILMHPFHMAGVAGVFGGSLFSAMHGSLVTSSLIRETSEIE SANYGYKFG QEEETYNIVAAHGYFGRLIFQYASFNNSRALHFFLAAWPVVGIWLTAL GVSTMAFNLNGF NFNQSVVDSQGRVINTWADIINRADLGMEVMHERNAHNFLPLDL A</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. |

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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 | psbA |
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| Synonyms | psbA; Photosystem II protein D1; PSII D1 protein; Photosystem II Q(B protein |
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| UniProt ID | Q32389 |
|-------------------|------------------------|

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