

# Recombinant Full Length Arabis Hirsuta Photosystem Ii Cp47 Chlorophyll Apoprotein(Psbb) Protein, His-Tagged

**Cat. No.** RFL3904AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabis hirsuta Photosystem II CP47 chlorophyll apoprotein(psbB) Protein (A4QK44) (1-508aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Arabis hirsuta (Hairy rock-cress) (Turritis hirsuta)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-508)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MGLPWYRVHTVVLNDPGRLLSVHIMHTALVAGWAGSMALYELAVFDPSPVLDPM<br>WRQGM FVIPFMTRLGITNSWGGWNITGGTITNPGLWSYEGVAGAHIVFSGLCFLAA<br>IWHWVYWDL EIFCDERTGKPSLDLPKIFGIHLFLSGVACFGFGAFHVTGLYGPGIWW<br>SDPYGLTGKVQP VNPAWGVEGFDPFVPGGIASHHIAAGTLGILAGLFHLSVRPPQR<br>LYKGLRMGNIETVLSS SIAAVFFAAAFVAGTMWYGSATTPIELFGPTRYQWDQGYF<br>QQEIYRRVSAGLAENQSVSE AWSKIPEKLAFYDYIGNNPAKGGLFRAGSMDNGDGI<br>AVGWLGHVPVRNKEGRELFVRRMP TFFETFPVVLVDGDGIVRADVPFRRAESKYS<br>VEQVGVTVEFYGGELNGVSYSDPATVKKY ARRAQLGEIFELDRATLKS DGVFRSSP<br>RGWFTFGHASFALLFFFGHIWHGARTLFRDVFA GIDPDLD AQVEFGAFQKLGDPTT<br>KRQAV |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | psbB                                                                                  |
| <b>Synonyms</b>   | psbB; Photosystem II CP47 reaction center protein; PSII 47 kDa protein; Protein CP-47 |
| <b>UniProt ID</b> | <a href="#">A4QK44</a>                                                                |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA