

# Recombinant Full Length Arabidopsis Thaliana Copper Transporter 4(Copt4) Protein, His-Tagged

**Cat. No.** RFL11486AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana Copper transporter 4(COPT4) Protein (Q8SAA5) (1-145aa), fused to N-terminal His tag, was expressed in E. coli.  |
| <b>Species</b>          | Arabidopsis thaliana                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                       |
| <b>ProteinLength</b>    | Full Length (1-145)                                                                                                                                          |
| <b>Form</b>             | Lyophilized powder                                                                                                                                           |
| <b>AA Sequence</b>      | MLSSKNVVVVEAWNTTTTTQTQTPHRPSLLHPTFYWGYNCQVLFSGWPGSDRGM<br>YALALI FVFFLAFLAEWLARCS DASSIKQGADKLAKVAFRTAMYTVKSGFSYLVILAV<br>VSFNGGVF LAAIFGHALGFAVFRGRAFRNRDIQ |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                  |
| <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                                                                                                                  |

 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

**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  | COPT4                                                     |
| Synonyms   | COPT4; At2g37925; T8P21.17; Copper transporter 4; AtCOPT4 |
| UniProt ID | <a href="#">Q8SAA5</a>                                    |