

# Recombinant Full Length Populus Trichocarpa Chloroplast Envelope Membrane Protein(Cema) Protein, His-Tagged

**Cat. No.** RFL14544PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Populus trichocarpa Chloroplast envelope membrane protein(cemA) Protein (A4GYS3) (1-228aa), fused to N-terminal His tag, was expressed in E. coli.                                                                         |
| <b>Species</b>          | Populus trichocarpa (Western balsam poplar) (Populus balsamifera subsp. trichocarpa)                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Full Length (1-228)                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MEKKAFIPLLYLTSIVFLPWWVSFSFNKSLGSWIINWWNTSKSETFLNDIQEKSILEKLI<br>EFEELFLLDEMIKEYPETHLQKFRIGIHKETIQLIKMHNADRIDTILHFSTNIICFVILS GY<br>SFLVNEELFILNSWVQEFIYNLSDTIKALSILLTDLICIGFHSPHGWELMISSFYKDF GF<br>AHNDQIISGLVSTFPVIFDTIFKYWIFRYLNRVSPSLVVIYHSMND |
| <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                                                                                                                                                                  |

 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

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**

cemA

**Synonyms**

cemA; ycf10; Poptr\_cp035; Chloroplast envelope membrane protein

**UniProt ID**

[A4GYS3](#)

 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