

# Recombinant *B.subtilis* Copper Insertion Chaperone And Transporter Component

Cat. No. CopZ-444B Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant <i>B.subtilis</i> CopZ (Copper chaperone copZ, Copper-ion-binding protein) cloned from <i>B.subtilis</i> cDNA with a C-terminal purification tag was expressed in <i>E.coli</i> . It consists of the full length CopZ from <i>B.subtilis</i> (residues 1-69, swissprot accession O32221). The C-terminal tag is cleaved during purification. MW = 7.3 kDa. |
| <b>Species</b>          | <i>B.subtilis</i>  |
| <b>Source</b>           | <i>E.coli</i>  |
| <b>ProteinLength</b>    | 1-69 a.a.  |
| <b>Purity</b>           | > 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of < 10 kDa.  |
| <b>Supplied As</b>      | 1.0mg/ml in 20mM potassium phosphate buffer pH7.0; DTT 2mM (Dithiothreitol). The concentration is calculated from the absorbance at 280nm ( $e_{280} = 1400 \text{ M}^{-1} \text{ cm}^{-1}$ ).   |
| <b>Characteristics</b>  | Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2 mM.  |
| <b>Storage</b>          | -20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid repeated freeze/defrost cycles.   |

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Full Length

Full L.

**GENE INFORMATION****Gene Name**copZ copper insertion chaperone and transporter component [ *Bacillus subtilis* subsp. *subtilis* str. 168 ]**Synonyms**

CopZ; copper insertion chaperone and transporter component

**Gene ID**

937974

**Protein Refseq**

NP\_391231

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