

Recombinant B.subtilis Copper Insertion Chaperone And Transporter Component

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

SPECIFICATION

Product Overview	Recombinant B.subtilis CopZ (Copper chaperone copZ, Copper-ion-binding protein) cloned from B.subtilis cDNA with a C-terminal purification tag was expressed in <i>E.coli</i> . It consists of the full length CopZ from B.subtilis (residues 1-69, swissprot accession O32221). The C-terminal tag is cleaved during purification. MW = 7.3 kDa.
Species	B.subtilis
Source	E.coli
ProteinLength	1-69 a.a.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of < 10 kDa.
Supplied As	1.0mg/ml in 20mM potassium phosphate buffer pH7.0; DTT 2mM (Dithiothreitol). The concentration is calculated from the absorbance at 280nm ($e_{280} = 1400 \text{ M}^{-1} \text{ cm}^{-1}$).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2 mM.
Storage	-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](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA