

# Recombinant *B.subtilis* Copper Transporter ATPase, Domain A+B

**Cat. No.** copA-442B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant <i>B.subtilis</i> CopA Domain A+B (Copper-transporting P-type ATPase copA, CopA 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 soluble domain A+B of CopA from <i>B.subtilis</i> (residues 1-147, swissprot accession O32220). The C-terminal tag is cleaved during purification. The protein is mutated in the S46V position. MW = 16.3 kDa. |
| <b>Species</b>          | <i>B.subtilis</i>   |
| <b>Source</b>           | <i>E.coli</i>   |
| <b>ProteinLength</b>    | 1-147 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 ( $e_{280} = 2680 \text{ M}^{-1} \text{ cm}^{-1}$ ).  |
| <b>Characteristics</b>  | Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2mM.  |
| <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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## GENE INFORMATION

**Gene Name** [copA copper transporter ATPase \[Bacillus subtilis subsp. subtilis str. 168\]](#)

**Synonyms** [copA](#); copper transporter ATPase

**Gene ID** [937985](#)

**Protein Refseq** [NP\\_391230](#)

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