

Recombinant B.subtilis Copper Transporter ATPase, Domain A

Cat. No. copA-440B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant B.subtilis CopA Domain A (Copper-transporting P-type ATPase copA, CopA protein) cloned from B.subtilis cDNA with a C-terminal purification tag was expressed in <i>E.coli</i> . It consists of the soluble domain A of CopA from B.subtilis (residues 1-71, swissprot accession O32220). The protein is mutated in the S46V position. The C-terminal tag is cleaved during purification. MW = 8.1 kDa.
Species	B.subtilis
Source	E.coli
ProteinLength	1-71 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 ($e_{280} = 2680 \text{ M}^{-1}\text{cm}^{-1}$).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2mM.
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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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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