

Recombinant E.coli Copper Binding Protein, Copper Sensitivity

Cat. No. CutA-445E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli full length CutA1 cloned from E.coli cDNA was expressed in <i>E.coli</i> . The protein consists of full length of CutA1 (residues 1-112, swissprot accession P69488). MW = 12.3 kDa.
Species	E.coli
Source	E.coli
ProteinLength	1-112 a.a.
Description	CutA is a copper-binding protein that is also required for copper tolerance. [More information is available at EcoCyc: EG12177].
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of < 20 kDa.
Supplied As	1.0mg/ml in 50mM Tris pH 8.0, 300mM NaCl. The concentration is calculated from the absorbance at 280nm ($\epsilon_{280} = 17900 \text{ M}^{-1}\text{cm}^{-1}$).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 3mM.
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.

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Avoid repeated freeze/defrost cycles.

Full Length Full L.

GENE INFORMATION

Gene Name [cutA copper binding protein, copper sensitivity \[Escherichia coli str. K-12 substr. MG1655 \]](#)

Synonyms CutA; copper binding protein, copper sensitivity; cutA1; cycY; ECK4131; JW4097

Gene ID [948660](#)

Protein Refseq [NP_418560](#)

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