

Recombinant *S.cervisiae* *S.cervisiae* COX17

Cat. No. COX17-449 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>S.cerevisiae</i> full length Cytochrome c oxidase copper chaperone (Cox17) cloned from yeast cDNA was expressed in <i>E.coli</i> . It consists of the full length Cytochrome c oxidase copper chaperone from <i>S.cerevisiae</i> . (Swiss prot accession: Q12287). MW = 8.0kDa.
Species	Yeast
Source	<i>E.coli</i>
Description	Copper metallochaperone transfers copper to Sco1p and Cox11p for eventual delivery to cytochrome c oxidase; It contains twin cysteine-x9-cysteine motifs.
Purity	> 90% by SDS-PAGE. The protein was observed as a single band migrating at molecular weight < 14kDa.
Supplied As	1.0mg/ml in 50mM Phosphate buffer pH7.0, 1mM Dithiothreitol. The concentration is calculated from the absorbance at 280nm ($\epsilon_{280} = 2980\text{M}^{-1}\text{cm}^{-1}$).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated up to 2mM.
Storage	-20°C. The protein is stable at 4°C for weeks and at 25°C for at least several days. Avoid repeated freeze/thaw cycles.
General Use	After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid

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repeated freeze/defrost cycles.

Full Length

Full L.

GENE INFORMATION

Gene Name

COX17 Copper metallochaperone that transfers copper to Sco1p and Cox11p for eventual delivery to cytochrome c oxidase [*Saccharomyces cerevisiae*]

Synonyms

COX17; Copper metallochaperone that transfers copper to Sco1p and Cox11p for eventual delivery to cytochrome c oxidase; YLL009C

Gene ID

850651

Protein Refseq

[NP_013092](#)

Pathway

Metabolic pathways; Oxidative phosphorylation

Function

copper chaperone activity; copper chaperone activity; copper chaperone activity; copper chaperone activity; copper ion binding; metal ion binding

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