

Recombinant *S.melilot* Cytochrome C Oxidase Assembly Protein

Cat. No. ctaG-443S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>S.meliloti</i> Cox11 (Cytochrome C oxidase assembly protein) cloned from <i>S.meliloti</i> Cdna was expressed in <i>E.coli</i> . It consists of the soluble domain of the Cox11, it lacks the transmembrane segment (residues 36-198, swissprot accession Q92RG6). MW = 18.2 kDa.
Species	<i>B.subtilis</i>
Source	<i>E.coli</i>
ProteinLength	36-198 a.a.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of (< 20 kDa).
Supplied As	1.0 mg/ml in 20mM KH ₂ PO ₄ /K ₂ HPO ₄ pH7.0, 2mM DTT (Dithiothreitol), 0.5mM EDT A. The concentration is calculated from the absorbance at 280nm ($\epsilon_{280} = 13490 \text{ M}^{-1} \text{cm}^{-1}$).
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 protein into individual tubes and refreeze at -20°C. Avoid repeated freeze/defrost cycles.

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GENE INFORMATION

Gene Name cytochrome C oxidase assembly protein [*Sinorhizobium meliloti* 1021]

Synonyms ctaG; cytochrome C oxidase assembly protein

Gene ID 1232549

Protein Refseq NP_385014

Pathway Metabolic pathways; Oxidative phosphorylation

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