

Recombinant Yeast Cyc1p

Cat. No. CYC1-467Y **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cytochrome c iso-1 from Yeast C107T mutant consists of the full length Cythochrome c protein (residues 1-108) bound to the heme group with Fe ²⁺ . MW = 12 KDa.
Species	Yeast
Source	Yeast
Protein Length	1-108 a.a.
Description	Cytochrome c, or cyt c is a small heme protein found loosely associated with the inner membrane of the mitochondrion. It belongs to the cytochrome c family of proteins. Cytochrome c is a highly soluble protein, unlike other cytochromes, with a solubility of about 100g/L and is an essential component of the electron transport chain, where it carries one electron. It is capable of undergoing oxidation and reduction, but does not bind oxygen. It transfers electrons between Complexes III and IV.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of about 12 KDa. The purity is also checked through the ratio A ₄₁₅ nm/A ₂₈₀ nm.
Supplied As	1.0 mg/ml in 20mM sodium phosphate pH 6.8, 1mM DTT. The concentration is calculated from the absorbance at 415nm (e ₄₁₅ = 122000M ⁻¹ cm ⁻¹).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization,

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the product can be concentrated to a maximum of 1mM.

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/thaw cycles.

Full Length

Full L.

GENE INFORMATION

Gene Name

CYC1 Cyc1p [*Saccharomyces cerevisiae*]

Synonyms

CYC1; Cyc1p; Cytochrome c, isoform 1; UQCR4; Complex III subunit 4; Complex III subunit IV; Cytochrome b-c1 complex subunit 4; Ubiquinol-cytochrome-c reductase complex cytochrome c1 subunit; cytochrome c-1

Gene ID

853507

Protein Refseq

NP_012582

Chromosome Location

8q24

Pathway

Pathways in cancer

Function

electron carrier activity; electron carrier activity; heme binding; iron ion binding; metal ion binding

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Cytochrome c with
heme



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