



Cytochrome b₅ (cyt b₅)
Cat. #B507

Source: *Escherichia coli*

Type: recombinant rat liver (^a COOH-terminal tailless)

MW 13,603 g/mol (monomer)

Activity: electron transfer to cytochrome P450 and hemoglobin

Purity: estimated at ≥ 95%, A₄₁₂/A₂₈₀ ratio of ≥ 5.3

Heme content: ≥ 0.8 mol per mol protein

Supplied as a salt-free lyophilisate

^a98 amino acid protein lacking the membrane-anchoring carboxy-terminal tail (1).

Special notes: Store lyophilisate in dessicated container at ≤ -20 °C. Resuspend in buffer and store frozen at ≤ 20 °C. Stable to freeze-thaw cycles at 10 mg/mL.

For in vitro use only not for use in humans.

References:

1. Beck von Bodman, S., Schuler, M. A., Jollie, D. R., and Sligar, S. G. (1986) *Proc. Natl. Acad. Sci. U.S.A.* **83**, 9443-9447

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