



Cytoglobin (Cygb)

Cat. #CB03

Source: *Escherichia coli*

Type: recombinant human

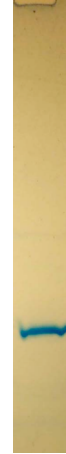
MW 43,777 g/mol (dimer)

^aActivity: nitric-oxide dioxygenase ($V_{\max} = 0.5$
NO heme⁻¹ s⁻¹)

Purity: estimated $\geq 95\%$, A_{416}/A_{280} ratio of ≥ 2.5

Heme content: ≥ 0.55 mol per mol protein

Supplied as a salt-free lyophilisate



SDS-PAGE

^aActivity determined with ascorbate at 37 °C using the NO electrode assay method (1, 2). In dilute (nM) solutions, activity is stabilized by 100 µg/mL bovine serum albumin.

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. Gardner, A. M., Cook, M. R., and Gardner, P. R. (2010) *J. Biol. Chem.* **285**, 23850-23857
2. Gardner, P. R. (2008) *Methods Enzymol.* **436**, 217-237

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