



Thermoglobin (Tgb)

Cat. #TB06

Source: *Escherichia coli*

Type: recombinant *Aquifex aeolicus*

MW = 16,600 g/mol (monomer)

^aActivity: thermostable O₂ binding hemoglobin

Purity: estimated at $\geq 95\%$, A₄₀₅/A₂₈₀ ratio of ≥ 2.8

Heme content: ≥ 0.7 mol per mol protein

Supplied as a salt-free lyophilisate



SDS-PAGE
gel stain (2 μ g)

^aHigh-affinity for O₂. Possible function as a archaeobacterial nitric-oxide dioxygenase (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. Miranda, J. J., Maillett, D. H., Soman, J., and Olson, J. S. (2005) *J. Biol. Chem.* **280**, 36754-36761

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