Miami Valley Biotech

Neuroglobin (Ngb)
Cat. #NB04

Source: *Escherichia coli*
Type: recombinant murine
MW 17,641 g/mol (holo monomer)
[a]Activities: O_2-binding hemoglobin
Purity: estimated at ≥ 95%, A_{412}/A_{280} ratio of ≥ 3.0
Heme content: ≥ 0.6 mol per mol protein
Supplied as a salt-free lyophilisate


SDS-PAGE gel

[a]Activities and proposed functions include nitric-oxide dioxygenase, oxidase, peroxidase, cytochrome *c* reduction, heterotrimeric Gα protein guanine nucleotide dissociation inhibitor (1-3).

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. Burmester, T., and Hankeln, T. (2009) *J. Exp. Biol.* **212**, 1423-1428
2. Gardner, A. M., Cook, M. R., and Gardner, P. R. (2010) *J. Biol. Chem.* **285**, 23850-23857
3. Brunori, M., Giuffre, A., Nienhaus, K., Nienhaus, G. U., Scandurra, F. M., and Vallone, B. (2005) *Proc. Natl. Acad. Sci. U.S.A.* **102**, 8483-8488

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