



## Nitric-oxide dioxygenase (NOD)

Cat. #ND02

Source: *Escherichia coli*

Type: flavohemoglobin (HMP)

MW 45,145 g/mol (holo monomer)

<sup>a</sup>Specific activity: 190-420 U NOD/mg protein  
(200-440 NO heme<sup>-1</sup> s<sup>-1</sup>)

Purity: estimated at  $\geq 95\%$ ,  $A_{404}/A_{280}$  ratio of  $\geq 0.9$

Heme content:  $\geq 0.6$  mol per mol protein

FAD content:  $\geq 0.8$  mol per mol protein

Supplied as a salt-free lyophilisate



SDS-Page gel stain

<sup>a</sup> specific activity determined at 37 °C using the NO electrode assay method (1) and based on dry-weight or heme content. Maximum activity varies with buffer conditions. In dilute (subnanomolar) solutions, activity stabilized by adding 0.1-1  $\mu$ M FAD and 100  $\mu$ g/mL bovine serum albumin.

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

**For in vitro use only not for use in humans.**

### References

1. Gardner, P. R. (2008) *Methods Enzymol.* **436**, 217-237

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