PRODUCT INFORMATION

iNOS (mouse, recombinant)

Item No. 60864

Overview and Properties

Synonyms:	Inducible Nitric Oxide Synthase, NOS II
Source:	Active recombinant murine enzyme expressed in *E. coli*
Uniprot No.:	P29477
Molecular Weight:	130 kDa/subunit • Homodimer
Storage:	-80°C (as supplied)
Stability:	≥6 months
Purity:	100,000 x g supernatant
Supplied in:	50 mM HEPES, pH 7.4, with 10% glycerol, 8 µM BH_4, 2% protease inhibitor cocktail (EDTA free), and 0.05% nulcease
Protein Concentration:	***batch specific***
Activity:	***batch specific***
Specific Activity:	***batch specific***
Unit Definition:	One unit of enzyme produces 1 nmol of nitric oxide per minute at 37°C in 50 mM HEPES, pH 7.4, containing 1 mM arginine, 1 mM magnesium acetate, 0.15 mM NADPH, 4.5 µM oxyhemoglobin, 18 µM tetrahydrobiopterin, and 180 µM DTT.[1,2]

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

References

1. Hevel, J.M., and Marletta, M.A. Nitric-oxide synthase assays. *Methods in Enzymology* **233**, 250-258 (1994).
2. Lyons, C.R., Orloff, G.J., and Cunningham, J.M. Molecular cloning and functional expression of an inducible nitric oxide synthase from a murine macrophage cell line. *J. Biol. Chem.* **267**, 6370-6374 (1992).

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