Creative Enzymes®

nitric oxide reductase [NAD(P)+, nitrous oxide-forming]

Cat. No. EXWM-1607

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (P-450). The enzyme from Fusarium oxysporum utilizes only NADH, but the isozyme from Trichosporon cutaneum utilizes both NADH and NADPH. The electron transfer from NAD(P)H to heme occurs directly, not requiring flavin or other redox cofactors.
Synonyms	fungal nitric oxide reductase; cytochrome P450nor; NOR (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.7.1.14
Reaction	N_2O + NAD(P)+ + H_2O = 2 NO + NAD(P)H + H+
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.