NADPH-hemoprotein reductase

Cat. No. EXWM-1580

Lot. No. (See product label)

Introduction

Description	A flavoprotein containing both FMN and FAD. This enzyme catalyses the transfer of electrons from NADPH, an obligatory two-electron donor, to microsomal P-450 monooxygenases (e.g. EC 1.14.14.1, unspecific monooxygenase) by stabilizing the one-electron reduced form of the flavin cofactors FAD and FMN. It also reduces cytochrome b5 and cytochrome c. The number n in the equation is 1 if the hemoprotein undergoes a 2-electron reduction, and is 2 if it undergoes a 1-electron reduction.
Synonyms	CPR; FAD-cytochrome c reductase; NADP-cytochrome c reductase; NADP-cytochrome reductase; NADPH-dependent cytochrome c reductase; NADPH:P-450 reductase; NADPH:ferrihemoprotein oxidoreductase; NADPH-cytochrome P-450 oxidoreductase; NADPH-cytochrome c oxidoreductase; NADPH-cytochrome c reductase; NADPH-cytochrome p-450 reductase; NADPH-ferricytochrome c oxidoreductase; NADPH-ferrihemoprotein reductase; TPNH2 cytochrome c reductase; TPNH-cytochrome c reductase; aldehyde reductase (NADPH-dependent); cytochrome P-450 reductase; cytochrome c reductase (reduced nicotinamide adenine dinucleotide phosphate, NADPH, NADPH-dependent); dihydroxynicotinamide adenine dinucleotide phosphate-cytochrome c reductase; ferrihemoprotein P-450 reductase; reduced nicotinamide adenine dinucleotide phosphate-cytochrome c reductase; reductase, cytochrome c (reduced nicotinamide adenine dinucleotide phosphate)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.6.2.4
CAS No.	9023-03-4
Reaction	NADPH + H+ + n oxidized hemoprotein = NADP+ + n reduced hemoprotein
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 ℃.