Creative Enzymes®

Native Rabbit Cytochrome P450 Reductase induced with phenobarbital

Cat. No. NATE-0158

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses electron transfer to cytochrome P450. This system plays a major role in detoxification of drugs and xenobiotics, activation of carcinogens, and metabolism of endogenous substrates such as steroids.
Synonyms	EC 1.6.2.4; NADPH:ferrihemoprotein oxidoreductase; NADPH:hemoprotein oxidoreductase; NADPH:P450 oxidoreductase; P450 reductase; CPR; 9039-06-9; FAD-cytochrome c reductase; NADPH-dependent cytochrome c reductase; NADPH:P-450 reductase

Product Information

Species	Rabbit
Source	Rabbit liver
Form	buffered aqueous glycerol solution. Solution in 30 mM potassium phosphate buffer, pH 7.7, and 0.1 mM EDTA containing 50% (v/v) glycerol.
EC Number	EC 1.6.2.4
CAS No.	9023-82-9
Molecular Weight	mol wt ~80 kDa
Purity	~90% (SDS-PAGE)
Activity	25-75 units/mg protein (Bradford)
Unit Definition	One unit will catalyze the reduction of 1.0 µmole of cytochrome c by NADPH per min at pH 7.7 at 30°C.

Storage and Shipping Information

Storage	−20°C