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