

## 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  $\mu$ mole of cytochrome c by NADPH per min at pH 7.7 at 30°C.

### Storage and Shipping Information

**Storage** -20°C