

Native Versatile Peroxidase from Bjerkandera adusta

Cat. No. NATE-1580

Lot. No. (See product label)

Introduction

Description

Versatile peroxidase (EC 1.11.1.16, VP, hybrid peroxidase, polyvalent peroxidase) is an enzyme with systematic name reactive-black-5:hydrogen-peroxide oxidoreductase. This enzyme catalyses the following chemical reaction: (1) Reactive Black 5 + H₂O₂ → oxidized Reactive Black 5 + 2 H₂O (2) donor + H₂O₂ → oxidized donor + 2 H₂O Versatile peroxidase is a hemoprotein.

Synonyms

EC 1.11.1.16; VP; hybrid peroxidase; polyvalent peroxidase

Product Information

Source

Bjerkandera adusta

Form

Freeze-dried brown-coloured amorphous powder, no stabilizing agent added

EC Number

EC 1.11.1.16

CAS No.

114995-15-2;42613-30-9

Optimum pH

4.5

Thermal stability

15-50 °C

Specificity

Mn(II), Veratryl alcohol

Unit Definition

One unit is defined as the amount of enzyme that oxidizes 1.0 µmole of Mn(II) per minute at pH 4.5 and 25 °C.

Storage and Shipping Information

Storage

store at -20 °C

Stability

12 months