Creative Enzymes®

Native Laccase from Cerrena unicolor

Cat. No. NATE-1578

Lot. No. (See product label)

Introduction

Description	Laccase is a blue copper oxidase that reduces molecular oxygen to water. Laccase oxidizes polyphenols, methoxy-substituted phenols and diamines, but not tyrosine. Oxidation by laccase is an one-electron reaction that generates a free radical.
Applications	Decolorization of dyes Decompostion of phenolic and aromatic compounds
Synonyms	Laccases; EC 1.10.3.2; 80498-15-3; urishiol oxidase; urushiol oxidase; p-diphenol oxidase; benzenediol:oxygen oxidoreductase

Product Information

Source	Cerrena unicolor
Form	Freeze-dried powder, no stabilizing agent added
EC Number	EC 1.10.3.2
CAS No.	80498-15-3
Specificity	ABTS, Syringaldazine, 2,6-dimethoxyphenol
Unit Definition	One unit is defined as the amount of enzyme that oxidizes 1.0 μmole of ABTS [2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonic acid)] per minute at Ph 4.5 and 25 °C.

Storage and Shipping Information

Storage	store at -20 °C
Stability	12 months