

Native *Rhus vernicifera* Laccase

Cat. No. NATE-0373

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.

Synonyms

Laccases; EC 1.10.3.2; 80498-15-3; urishiol oxidase; urushiol oxidase; p-diphenol oxidase; benzenediol:oxygen oxidoreductase

Product Information

Source

Rhus vernicifera

Form

crude acetone powder

EC Number

EC 1.10.3.2

CAS No.

80498-15-3

Activity

> 50 units/mg solid

Unit Definition

One unit will produce a ΔA_{530} of 0.001 per min at pH 6.5 at 30°C in a 3 mL reaction volume using syringaldazine as substrate.

Storage and Shipping Information

Storage

–20°C