

Native *Rhodotorula glutinis* Phenylalanine Ammonia-Lyase

Cat. No. NATE-0502

Lot. No. (See product label)

Introduction

Description

Phenylalanine Ammonia-Lyase from *Rhodotorula glutinis* can be cleaved and inactivated by the proteases chymotrypsin, subtilisin, and trypsin.

Applications

Phenylalanine ammonia-lyase has been used in a study to assess the effect of heat treatment on lignification of postharvest bamboo shoots. It has also been used in a study to investigate the effect of light on gene expression and podophyllotoxin biosynthesis in *Linum album* cell culture.

Synonyms

phenylalanine ammonia-lyase; EC 4.3.1.24; phenylalanine deaminase; phenylalanine ammonium-lyase; PAL; L-phenylalanine ammonia-lyase; Phe ammonia-lyase; 9024-28-6

Product Information

Source

Rhodotorula glutinis

Form

buffered aqueous glycerol solution; Solution in 60% glycerol, 3 mM Tris-HCl, pH 7.5, containing up to 0.5 M (NH₄)₂SO₄

EC Number

EC 4.3.1.24

CAS No.

9024-28-6

Activity

0.8-2.0 units/mg protein

Unit Definition

One unit will deaminate 1.0 μmole of L-phenylalanine to trans-cinnamate and NH₃ per min at pH 8.5 at 30°C.

Storage and Shipping Information

Storage

–20°C