

α (1-2,3) Mannosidase from Xanthomonas manihotis, Recombinant

Cat. No. NATE-1269

Lot. No. (See product label)

Introduction

Description

α -Mannosidase is an acid hydrolase which is located in plant vacuoles and is thought to be involved with the turnover of N-linked glycoproteins. α -Mannosidase has been shown to inhibit the proliferation of B-lymphocytes.

Synonyms

alpha-D-mannosidase; alpha-mannosidase; alpha-D-mannoside mannohydrolase; α -D-Mannosidase; EC 3.2.1.24; 9025-42-7

Product Information

Species

Xanthomonas manihotis

Source

E. coli

Form

50 mM NaCl, 20 mM Tris-HCl (pH 7.5 25°C) and 1 mM Na₂ EDTA.

Molecular Weight

90 kDa

Activity

80,000 units/mg

Concentration

32,000 units/ml

Unit Definition

One unit is defined as the amount of enzyme required to cleave > 95% of the non-reducing terminal α -D-mannose from 1 nmol Man α 1-3Man β 1-4GlcNAc-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10 μ l.

Storage and Shipping Information

Storage

4°C