Creative Enzymes®

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 Manα1-3Manβ1-4GlcNAc-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10 µl.

Storage and Shipping Information

Storage	4°C