Creative Enzymes®

α(1-3,6) Galactosidase from Xanthomonas manihotis, Recombinant

Cat. No. NATE-1279

Lot. No. (See product label)

Introduction

Description	Alpha-galactosidase is a glycoside hydrolase enzyme that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. It is encoded by the GLA gene. Two recombinant forms of alpha-galactosidase are called agalsidase alfa (INN) and agalsidase beta (INN).
Synonyms	Alpha-Galactosidase; Galactosidase; EC 3.2.1.22; GLA; GALA; melibiase; α-D-galactosidase; α-galactosidase A; α-galactoside galactohydrolase

Product Information

Species	Xanthomonas manihotis
Source	E. coli
Form	50 mM NaCl, 20 mM Tris-HCl (pH 7.5 25°C) and 1 mM Na2EDTA.
Molecular Weight	70000 daltons
Purity	> 95% determined by SDS-PAGE
Activity	137,000 units/mg
Concentration	4,000 units/ml
Unit Definition	One unit is defined as the amount of enzyme required to cleave > 95% of the terminal, α-D-galactose from 1 nmol Galα1-3Galβ1-4Gal-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	Recommended storage temperature is 4°C. Avoid repeated freeze/thaw cycles