

## $\alpha$ (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;  $\alpha$ -D-galactosidase;  $\alpha$ -galactosidase A;  $\alpha$ -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 Na<sub>2</sub>EDTA.

**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,  $\alpha$ -D-galactose from 1 nmol Gal $\alpha$ 1-3Gal $\beta$ 1-4Gal-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10  $\mu$ l.

### Storage and Shipping Information

**Storage** Recommended storage temperature is 4°C. Avoid repeated freeze/thaw cycles