

## Native Cucumis melo $\alpha$ -Galactosidase I, Alkaline

Cat. No. NATE-0291

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).

**Applications** Alkaline  $\alpha$ -Galactosidase I was used to assay enzyme activity with 2 mmp-nitrophenyl- $\alpha$ -d-galactoside as substrate at pH 6.5 to compare with the enzyme activity of  $\alpha$ -Gal A isolated and purified from Sf-9 insect cells infected with a recombinant baculovirus encoding normal  $\alpha$ -Gal A gene.

**Synonyms** Alpha-Galactosidase; Galactosidase; EC 3.2.1.22; GLA; GALA; melibiase;  $\alpha$ -D-galactosidase;  $\alpha$ -galactosidase A;  $\alpha$ -galactoside galactohydrolase

### Product Information

**Source** Cucumis melo

**Form** The product is supplied as a lyophilized powder containing Tris-HCl buffer salts, DTT, EDTA, and NaCl.

**EC Number** EC 3.2.1.22

**CAS No.** 9025-35-8

**Molecular Weight** apparent mol wt ~84 kDa by SDS-PAGE

**Unit Definition** One unit will hydrolyze 1.0  $\mu$ mole of p-nitrophenyl  $\alpha$ -D-galactoside to p-nitrophenol and D-galactose per minute at pH 7.8 at 30°C.

### Storage and Shipping Information

**Storage** -20°C