Creative Enzymes®

# Native Cucumis melo α-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 α-Galactosidase I was used to assay enzyme activity with 2 mmp-nitrophenyl-α-d-galactoside as substrate at pH 6.5 to compare with the enzyme activity of α-Gal A isolated and purified from Sf-9 insect cells infected with a recombinant baculovirus encoding normal α-Gal A gene.

***Synonyms*** Alpha-Galactosidase; Galactosidase; EC 3.2.1.22; GLA; GALA; melibiase; α-D-galactosidase; α-galactosidase A; α-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 µmole of p-nitrophenyl α-D-galactoside to p-nitrophenol and D-galactose per minute at pH 7.8 at 30°C.

## Storage and Shipping Information

***Storage*** −20°C