Creative Enzymes®

α-Galactosidase 97B from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1401

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	Bacteroides thetaiotaomicron
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.22
CAS No.	9025-35-8
Molecular Weight	74.9 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7
Optimum temperature	37 °C
Specificity	α-galactosyl linkages of fungal α-mannans such as the yeast Schizosaccharomyces pombe

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.