

## **α-Galactosidase 97A from Bacteroides thetaiotaomicron, Recombinant**

Cat. No. NATE-1402

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**

<b>Species</b>	Bacteroides thetaiotaomicron
<b>Source</b>	E. coli
<b>Form</b>	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl <sub>2</sub> , 0.02% sodium azide and 25% (v/v) glycerol
<b>EC Number</b>	EC 3.2.1.22
<b>CAS No.</b>	9025-35-8
<b>Molecular Weight</b>	74.7 kDa
<b>Purity</b>	>50% by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	4.0-12.0
<b>Optimum temperature</b>	45 °C
<b>Specificity</b>	α-galactose containing carbohydrates

### **Storage and Shipping Information**

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