

## **α-Galactosidase 4A from Bacillus halodurans, Recombinant**

Cat. No. NATE-1404

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**

Bacillus halodurans

#### **Source**

E. coli

#### **Form**

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

#### **EC Number**

EC 3.2.1.22

#### **CAS No.**

9025-35-8

#### **Molecular Weight**

51.8 kDa

#### **Purity**

>90% by SDS-PAGE

#### **Concentration**

1 mg/mL

#### **Optimum pH**

7.4

#### **Optimum temperature**

37 °C

#### **Specificity**

Raffinose and small α-galactose oligosaccharides

### **Storage and Shipping Information**

#### **Storage**

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