

α-Galactosidase 110A from Bacteroides fragilis, Recombinant

Cat. No. NATE-1405

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 fragilis

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.-

CAS No.

9025-35-8

Molecular Weight

67.9 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

6.8

Specificity

Terminal, non-reducing branched 1,3- α-D-galactosidic residues, producing D-galactose, as well as, non-reducing α -D-galactose residues in α -D-galactosides, including galactose oligosaccharides, galactomannans and galactolipids

Storage and Shipping Information

Storage

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