

α-Galactosidase from Clostridium cellulolyticum, Recombinant

Cat. No. NATE-1176

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

Source Clostridium cellulolyticum H10

Form Supplied in 3.2 M ammonium sulphate

EC Number EC 3.2.1.22

CAS No. 9025-35-8

Molecular Weight 64179.5 Da

Purity > 95 % as judged by SDS-PAGE

Activity 186.7 U/mg

Concentration 561.85 U/ml

Optimum pH 6

Unit Definition One unit is defined as the amount of enzyme required to release 1 μmol of pNP per minute from pNP-α-D-galactopyranoside (1 mM) in 50 mM sodium phosphate buffer, pH 6.0, at 40°C, and using an extinction coefficient of 18000 M⁻¹ cm⁻¹.

Storage and Shipping Information

Storage Store at 4°C (shipped at room temperature)