

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 CaCl₂, 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.