

α-Galactosidase 110A from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1403

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

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| Species | Bacteroides thetaiotaomicron |
| Source | E. coli |
| Form | 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl ₂ , 0.02% sodium azide and 25% (v/v) glycerol |
| EC Number | EC 3.2.1.22 |
| CAS No. | 9025-35-8 |
| Molecular Weight | 65.1 kDa |
| Purity | >50% by SDS-PAGE |
| Concentration | 1 mg/mL |
| Optimum pH | 6.5 |
| Optimum temperature | 37 °C |
| Specificity | α-galactose containing carbohydrates |

Storage and Shipping Information

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