

β-Galactosidase 2A from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1396

Lot. No. (See product label)

Introduction

Description β-galactosidase is a hydrolase enzyme that catalyzes the hydrolysis of β-galactosides into monosaccharides. Substrates of different β-galactosidases include ganglioside GM1, lactosylceramides, lactose, and various glycoproteins.

Synonyms β-galactosidase; beta-gal; β-gal; EC 3.2.1.23; lactase; β-lactosidase; maxilact; hydrolact; β-D-lactosidase; S 2107; lactozym; trilactase; β-D-galactanase; oryzatym; sumiklat; β-D-galactoside galactohydrolase

Product Information

Species Bacteroides thetaiotaomicron

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 3.2.1.23

CAS No. 9031-11-2

Molecular Weight 108 kDa

Purity >90% by SDS-PAGE

Concentration 1 mg/mL

Optimum pH 7

Optimum temperature 37 °C

Specificity β-D-galactosides

Storage and Shipping Information

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