

β-Galactosidase 2B from *Bacteroides thetaiotaomicron*, Recombinant

Cat. No. NATE-1397

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 CaCl ₂ , 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.23
CAS No.	9031-11-2
Molecular Weight	91.8 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.