

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.