Creative Enzymes®

Native Escherichia coli β-Galactosidase-biotin labeled

Cat. No. NATE-1585

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.

Applications β-Galactosidase was used as a control antigen in the selection of human antibody fragments by phage display.

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

Source E. coli

Form Lyophilized powder containing Tris-acetate, DTT, $MgCl_2$, and isopropyl β-D-thiogalactopyranoside

Activity 350-1200 units/mg protein

Structure 2-5 mol d-biotin per mol protein

Composition Protein, ~75% E1%/280

Unit Definition One unit will hydrolyze 1.0 μmole of o-nitrophenyl β-D-galactoside per min at pH 7.3 at 37 °C.