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, MgCl2, 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.