Creative Enzymes®

β(1-3,4)-Galactosidase from Bovine, Recombinant

Cat. No. NATE-1627

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	Bovine testis
Source	Pichia pastoris
Form	Liquid
EC Number	EC 3.2.1.23
CAS No.	9031-11-2
Molecular Weight	71 kDa
Concentration	8,000 units/ml
Optimum pH	4.5
Unit Definition	One unit is defined as the amount of enzyme required to cleave > 95% of the terminal, β-D-galactose from 1 nmol Galβ1-4GlcNAcβ1-3Galβ1-4Glc-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10 µl.

Storage and Shipping Information

Storage	4°C