Creative Enzymes®

# β(1-4)-Galactosidase from Bacteroides fragilis, Recombinant

*Cat. No. NATE-1278*

*Lot. No.* (See product label)

## Introduction

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| ***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

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| ***Species*** | Bacteroides fragilis |
| ***Source*** | E. coli |
| ***Form*** | 50 mM NaCl, 20 mM Tris-HCl (pH 7.5 25°C) and 1 mM Na2EDTA. |
| ***Molecular Weight*** | 94000 daltons |
| ***Activity*** | 50,000 units/mg |
| ***Concentration*** | 8,000 units/ml |
| ***Unit Definition*** | One unit is defined as the amount of enzyme required to cleave > 95% of the terminal, β-D-galactose from 1 nmol Galβ1-4GlcNAcb1-3Galβ1-4Glc-7-amino-4-methyl-coumarin (AMC), in 1 hour at 37°C in a total reaction volume of 10 µl. |

## Storage and Shipping Information

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| ***Storage*** | at -20°C |