Creative Enzymes®

β-Galactosidase 42A from Caldicellulosiruptor saccharolyticus, Recombinant

Cat. No. NATE-1394

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	Caldicellulosiruptor saccharolyticus
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	81.2 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	6.5
Optimum temperature	80 °C
Specificity	β-galactosides

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.