

## β-Galactosidase 1A from Sulfolobus solfataricus, Recombinant

Cat. No. NATE-1392

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

Sulfolobus solfataricus

#### Source

E. coli

#### Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

#### EC Number

EC 3.2.1.23

#### CAS No.

9031-11-2

#### Molecular Weight

58.8 kDa

#### Purity

>50% by SDS-PAGE

#### Concentration

1 mg/mL

#### Optimum pH

5.0-7.0

#### Optimum temperature

90 °C

#### Specificity

Lactose

### Storage and Shipping Information

#### Storage

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