

## 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

<b>Species</b>	Sulfolobus solfataricus
<b>Source</b>	E. coli
<b>Form</b>	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
<b>EC Number</b>	EC 3.2.1.23
<b>CAS No.</b>	9031-11-2
<b>Molecular Weight</b>	58.8 kDa
<b>Purity</b>	>50% by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	5.0-7.0
<b>Optimum temperature</b>	90 °C
<b>Specificity</b>	Lactose

### Storage and Shipping Information

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