

β-Glucosidase 1A from *Thermotoga maritima*, Recombinant

Cat. No. NATZ-139

Lot. No. (See product label)

Introduction

Description

β-Glucosidase 1A (Tm Bgl1A), derived from the marine bacterium *Thermotoga maritima*. It is a 1,4-β-glucosidase purified from *Escherichia coli*. This enzyme exhibits exceptional thermostability and acid resistance, maintaining high catalytic efficiency under extreme temperatures and pH conditions. Ideal for cellulose degradation, biofuel production, food processing, and oligosaccharide synthesis.

Synonyms

Tm Bgl1A

Product Information

Species

Thermotoga maritima

Source

E. coli

Form

35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl₂, and 25% (v/v) glycerol

EC Number

3.2.1.21

Molecular Weight

Approximately 53,62 kDa

Purity

≥90%

Optimum pH

6.5

Optimum temperature

45 °C

Storage and Shipping Information

Storage

-30 °C to -15 °C