

Chitinase 18A from *Bacillus licheniformis*, Recombinant

Cat. No. NATE-1378

Lot. No. (See product label)

Introduction

Description

Chitosanase catalyzes the endohydrolysis of β (1,4) linkages between N-acetyl-D-glucosamine and D-glucosamine residues in partially deacetylated chitosan. Chitosanase from *Streptomyces griseus* is capable of hydrolyzing both chitosan and carboxymethyl cellulose. It is used for the lysis of cell walls of fungi belonging to the group Mucorales. It is found in several types of microorganisms.

Synonyms

Chitosanase; EC 3.2.1.132; 51570-20-8; Chitosan N-acetylglucosaminohydrolase

Product Information

Species

Bacillus licheniformis

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 3.2.1.14

Molecular Weight

49.2 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

7.5

Optimum temperature

45-55 °C

Specificity

Chitin and chitosan.

Storage and Shipping Information

Storage

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