

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 CaCl ₂ , 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.