

Chitinase 18A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1379

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 Clostridium thermocellum

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 43.9 kDa

Purity >90% by SDS-PAGE

Activity 25 U/mg

Concentration 1 mg/mL

Optimum pH 5.0–7.0

Optimum temperature 60 °C

Specificity Chitin and pNP-chitotriose

Storage and Shipping Information

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