Creative Enzymes®

Chitosanase 46A from Bacillus subtilis, Recombinant

Cat. No. NATE-1376

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 subtilis
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 3.2.1.132
CAS No.	51570-20-8
Molecular Weight	29.5 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	4.0–7.0
Optimum temperature	50 °C
Specificity	Chitosan

Storage and Shipping Information

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