

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.