

Chondroitin ABC lyase from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1548

Lot. No. (See product label)

Introduction

Description

Chondroitinase ABC is an enzyme from Bacteroides thetaiotaomicron that cleaves the endo-1,4- β -galactosaminic bonds between acetylgalactosamine and either glucuronic or iduronic acid.

Synonyms

chondroitinase; chondroitin ABC eliminase; chondroitinase ABC; chondroitin ABC lyase; chondroitin sulfate ABC lyase; ChS ABC lyase; chondroitin sulfate ABC endoeliminase; chondroitin sulfate ABC endolyase; ChS ABC lyase I; EC 4.2.2.20

Product Information

Species

Bacteroides thetaiotaomicron

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 4.2.2.20

Molecular Weight

47.6 kDa

Purity

>90% as judged by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

7.6

Optimum temperature

37 °C

Specificity

Chondroitin sulfate A (CS-A), chondroitin sulfate B (CS-B), chondroitin sulfate C (CS-C), chondroitin (C), and H

Storage and Shipping Information

Storage

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