Creative Enzymes®

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.