

Chondroitin synthase from *Pasteurella multocida*, Recombinant

Cat. No. NATE-1486

Lot. No. (See product label)

Introduction

Description In enzymology, a N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase (EC 2.4.1.226) is an enzyme that catalyzes the chemical reaction: UDP-alpha-D-glucuronate + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl- proteoglycan → UDP + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-(1->4)- beta-D-glucuronosyl-proteoglycan. The 3 substrates of this enzyme are UDP-alpha-D-glucuronate, [[N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-]], and proteoglycan, whereas its 3 products are UDP, [[beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-(1->4)-]], and beta-D-glucuronosyl-proteoglycan.

Synonyms alpha-D-glucuronate:N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan 3-beta-glucuronosyltransferase; chondroitin glucuronyltransferase II; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase; EC 2.4.1.226

Product Information

Species Pasteurella multocida

Source E. coli

EC Number EC 2.4.1.226

CAS No. 269077-98-7

Purity min 95% by SDS-PAGE

Unit Definition PmCS polymerizes Chondroitin chain from UDP-GalNAc and UDP-GlcA sugar nucleotide donors.