

glucuronylgalactosylproteoglycan 4- β -N-acetylgalactosaminyltransferase

Cat. No. EXWM-2399

Lot. No. (See product label)

Introduction

Description Requires Mn²⁺. Involved in the biosynthesis of chondroitin sulfate. Key enzyme activity for the initiation of chondroitin and dermatan sulfates, transferring GalNAc to the GlcA-Gal-Gal-Xyl-Ser core.

Synonyms N-acetylgalactosaminyltransferase I; glucuronylgalactosylproteoglycan β -1,4-N-acetylgalactosaminyltransferase; uridine diphosphoacetylgalactosamine-chondroitin acetylgalactosaminyltransferase I; UDP-N-acetyl-D-galactosamine:D-glucuronyl-1,3- β -D-galactosyl-proteoglycan β -1,4-N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:D-glucuronyl-(1 \rightarrow 3)- β -D-galactosyl-proteoglycan 4- β -N-acetylgalactosaminyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.4.1.174

CAS No. 96189-39-8

Reaction UDP-N-acetyl- α -D-galactosamine + [protein]-3-O-(β -D-GlcA-(1 \rightarrow 3)- β -D-Gal-(1 \rightarrow 3)- β -D-Gal-(1 \rightarrow 4)- β -D-Xyl)-L-serine = UDP + [protein]-3-O-(β -D-GalNAc-(1 \rightarrow 4)- β -D-GlcA-(1 \rightarrow 3)- β -D-Gal-(1 \rightarrow 3)- β -D-Gal-(1 \rightarrow 4)- β -D-Xyl)-L-serine

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.