Creative Enzymes®

N-acetylglucosaminyl-proteoglycan 4-β-glucuronosyltransferase

Cat. No. EXWM-2454

Lot. No. (See product label)

Introduction

Description	Involved in the biosynthesis of heparin and heparan sulfate. Some forms of the human enzyme (particularly the enzyme complex encoded by the EXT1 and EXT2 genes) act as bifunctional glycosyltransferases, which also have the glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-α-N-acetylglucosaminyltransferase (EC 2.4.1.224) activity required for the synthesis of the heparan sulfate disaccharide repeats.
Synonyms	N-acetylglucosaminylproteoglycan β-1,4-glucuronyltransferase; heparan glucuronyltransferase II

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.225
CAS No.	145539-84-0
Reaction	UDP-α-D-glucuronate + N-acetyl-α-D-glucosaminyl-(1→4)-β-D-glucuronosyl-proteoglycan = UDP + β-D-glucuronosyl-(1→4)-N-acetyl-α-D-glucosaminyl-(1→4)-β-D-glucuronosyl-proteoglycan
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.