

xylosylprotein 4-β-galactosyltransferase

Cat. No. EXWM-2358

Lot. No. (See product label)

Introduction

Description

Involved in the biosynthesis of the linkage region of glycosaminoglycan chains as part of proteoglycan biosynthesis (chondroitin, dermatan and heparan sulfates). Requires Mn²⁺.

Synonyms

UDP-D-galactose:D-xylose galactosyltransferase; UDP-D-galactose:xylose galactosyltransferase; galactosyltransferase I; uridine diphosphogalactose-xylose galactosyltransferase; UDP-galactose:O-β-D-xylosylprotein 4-β-D-galactosyltransferase; UDP-α-D-galactose:O-β-D-xylosylprotein 4-β-D-galactosyltransferase; UDP-α-D-galactose:O-β-D-xylosyl-[protein] 4-β-D-galactosyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.133

CAS No.

52227-72-2

Reaction

UDP-α-D-galactose + [protein]-3-O-(β-D-xylosyl)-L-serine = UDP + [protein]-3-O-(β-D-galactosyl-(1→4)-β-D-xylosyl)-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.