Creative Enzymes®

dermatan 4-sulfotransferase

Cat. No. EXWM-3395

Lot. No. (See product label)

Introduction

Description	The sulfation takes place at the 4-position of N-acetyl-D-galactosamine residues of dermatan. D4ST-1 shows a strong preference in vitro for sulfate transfer to IdoUAα(1,3)GalNAcβ(1,4) that is flanked by GlcUAβ(1,3)GalNAcβ(1,4) as compared with IdoUAα(1,3)GalNAcβ(1,4) flanked by IdoUAα(1,3)GalNAcβ(1,4).
Synonyms	dermatan-specific N-acetylgalactosamine 4-O-sulfotransferase; dermatan-4-sulfotransferase-1; dermatan-4-sulfotransferase 1; D4ST-1; dermatan N-acetylgalactosamine 4-O-sulfotransferase; CHST14 protein; CHST14

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.8.2.35
Reaction	3'-phospho-5'-adenylyl sulfate + [dermatan]-N-acetyl-D-galactosamine = adenosine 3',5'-bisphosphate + [dermatan]-4-O-sulfo-N-acetyl-D-galactosamine
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 ℃.