

## N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase

Cat. No. EXWM-3393

Lot. No. (See product label)

### Introduction

**Description** The enzyme is activated by divalent cations and reduced glutathione. The enzyme from human transfers sulfate to position 6 of both internal residues and non-reducing terminal GalNAc 4-sulfate residues of chondroitin sulfate and dermatan sulfate. Oligosaccharides derived from chondroitin sulfate also serve as acceptors but chondroitin sulfate E, keratan sulfate and heparan sulfate do not. Differs from EC 2.8.2.17, chondroitin 6-sulfotransferase, in being able to use both chondroitin and dermatan as effective substrates

**Synonyms** GalNAc4S-6ST; CHST15 (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.8.2.33

**CAS No.** 242469-38-1

**Reaction** (1) 3'-phospho-5'-adenylyl sulfate + [dermatan]-4-O-sulfo-N-acetyl-D-galactosamine = adenosine 3',5'-bisphosphate + [dermatan]-4,6-di-O-sulfo-N-acetyl-D-galactosamine; (2) 3'-phospho-5'-adenylyl sulfate + [chondroitin]-4-O-sulfo-N-acetyl-D-galactosamine = adenosine 3',5'-bisphosphate + [chondroitin]-4,6-di-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.