COSMO BIO CO., LTD.
Inspiration for Life Science

Biotin-Labeled Sodium Chondroitin Sulfate E

(Squid Cartilage)

Product Code (Outside Japan): CSR-BHCS-E2(SqC)1, CSR-BHCS-E2(SqC)3
Product Code (Japan): BHCS-E2(SqC)1, BHCS-E2(SqC)3
Labeled Content: 1 mg/vial (BHCS-E2(SqC)1), 3 mg/vial (BHCS-E2(SqC)3)
Appearance: white amorphous block or powder (lyophilizate)
Source of Sodium Chondroitin Sulfate E: Squid Cartilage
Biotin Probe: Biotin Hydrazide
CAS number of Biotin Probe: 66640-86-6

Overview: Chondroitin sulfate (CS) is a sulfated glycosaminoglycan composed of repeating disaccharide units of N-acetyl-D-galactosamine (GalNAc) and D-glucuronic acid (GlcUA). CS is abundant in cartilage, where it exists as unbranched polysaccharide chains covalently linked to the core proteins of proteoglycans.
The Biotin-Labeled Sodium Chondroitin Sulfate E (BHCS-E) in this product is prepared by forming an amide bond between the biotin hydrazide and the carboxyl group of GlcUA within HA[1)]. The raw material CS-E contains approximately 50% E-type structural disaccharide units (4 and 6-O-sulfations of GalNAc).
Each vial contains 1 mg (BHCS-E2(SqC)1) or 3 mg (BHCS-E2(SqC)3) of lyophilized BHCS-E. The binding ability with avidin and anti-chondroitin sulfate antibody (MO225) has been confirmed. The attached Certificate of Analysis provides the actual measured values for each product specification.

Handling precautions:

1) The interior of the vial is depressurized. Please take care when opening the vial.
2) This product is hygroscopic. Store at 8˚C or below, protected from moisture.
3) After reconstitution, store the solution at −20 °C or below. Preparing aliquots suitable for anticipated use is recommended.
4) This product is for research use only. It is not intended for use in diagnostic or therapeutic procedures.