

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



CHST1 Peptide

Cat No.: BS5662P

Background

Carbohydrate sulfotransferase 1 (CHST1), also referred to as KSGal6ST or KSST, is a keratan sulfate sulfotransferase. It is predominantly expressed in brain and skeletal muscle and localizes to the trans-Golgi network. CHST1 is responsible for mediating the sulfation of keratan in the cornea, which is important in maintaining corneal transparency. In particular, CHST1 catalyzes the transfer of sulfate groups from 3'-phosphoadenosine 5'-phosphosulfate to position six of internal or terminal galactose residues (preferentially the residues adjacent to sulfated GlcNAc) on growing keratan sulfate chains. CHST1 also contributes to the generation of L-selectin ligands. Mutations in the CHST1 gene may play a role in macular corneal dystrophy (MCD).

Swiss-Prot

O43916

Applications

Blocking

Specificity

This peptide can be used with studies using BS5662 CHST1 pAb.

Purification & Purity

Synthetic peptide CHST1. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.