

Carbohydrate Sulfotransferase 1 (CHST1)

Product Information

Cat#	DIA-666
Descriptions	Carbohydrate Sulfotransferase 1 (CHST1) transfers sulfate groups to position 6 of galactose residues in keratan sulfate, mediates sulfated glycosaminoglycan maturation, and is essential for studying cartilage extracellular matrix formation and related skeletal diseases.
Applications	Carbohydrate Sulfotransferase 1 (CHST1) is suitable for keratan sulfate detection kit development and cartilage extracellular matrix assay reagent development.
Enzyme Commission Number	EC 2.8.2.21
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Carbohydrate Sulfotransferase 1/CHST1 protein.
Reaction	3'-phosphoadenylyl sulfate + keratan = adenosine 3', 5'-bisphosphate + keratan 6'-sulfate.
Activity Definition	Measured by its ability to transfer sulfate from PAPS to alpha -Lactose under the described conditions.