

Carbohydrate Sulfotransferase 6 (CHST6)

Product Information

Cat#	DIA-673
Descriptions	Carbohydrate Sulfotransferase 6 (CHST6) mediates keratan sulfate sulfation in corneal tissue, maintains corneal transparency and extracellular matrix structure, and is a key research target for corneal dystrophy and ocular surface diseases.
Applications	Carbohydrate Sulfotransferase 6 (CHST6) is used for corneal keratan sulfate detection kit development and ocular tissue matrix assay reagent development.
Enzyme Commission Number	EC 2.8.2.21
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Carbohydrate Sulfotransferase 6/CHST6 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 N-acetyl-D-glucosamine under the described conditions.