

Carbohydrate Sulfotransferase 3 (CHST3)

Product Information

Cat#	DIA-670
Descriptions	Carbohydrate Sulfotransferase 3 (CHST3) is responsible for 6-O-sulfation of N-acetylgalactosamine in chondroitin sulfate, plays a critical role in cartilage development and extracellular matrix function, and supports research on skeletal dysplasia mechanisms.
Applications	Carbohydrate Sulfotransferase 3 (CHST3) serves as a core tool for chondroitin sulfate detection kit development and skeletal dysplasia related assay reagent development.
CAS No.	28-2-1729
Enzyme Commission Number	EC 2.8.2.17
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Carbohydrate Sulfotransferase 3/CHST3 protein.
Reaction	n 3'-phosphoadenylyl sulfate + chondroitin beta-D-glucuronate = n adenosine 3', 5'-bisphosphate + chondroitin 6'-sulfate + 2 H ⁺
Activity Definition	Measured by its ability to transfer sulfate from PAPS to chondroitin sulfate under the described conditions.