

Carbohydrate Sulfotransferase 15 (CHST15)

Product Information

Cat#	DIA-668
Descriptions	Carbohydrate Sulfotransferase 15 (CHST15) mediates 6-O-sulfation of N-acetylgalactosamine residues in chondroitin sulfate E structures, modulates extracellular matrix signaling, and is involved in tumor microenvironment and inflammatory response research.
Applications	Carbohydrate Sulfotransferase 15 (CHST15) is used for chondroitin sulfate E detection kit development and tumor microenvironment related assay reagent development.
Enzyme Commission Number	EC 2.8.2.33
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Carbohydrate Sulfotransfe.
Reaction	$n \text{ 3'-phosphoadenylyl sulfate} + \text{dermatan 4'-sulfate} = n \text{ adenosine 3', 5'-bisphosphate} + \text{dermatan 4', 6'-bissulfate} + n \text{ H}^+$
Activity Definition	Measured by its ability to transfer sulfate from PAPS to chondroitin sulfate under the described conditions.