

Carbohydrate Sulfotransferase 5 (CHST5)

Product Information

Cat#	DIA-672
Descriptions	Carbohydrate Sulfotransferase 5 (CHST5) exhibits restricted expression in gastrointestinal tissues, catalyzes 6-O-sulfation of mucosal O-glycan N-acetylglucosamine, and participates in maintaining intestinal mucosal barrier function and innate immunity.
Applications	Carbohydrate Sulfotransferase 5 (CHST5) is suitable for gastrointestinal mucosal O-glycan detection kits and mucosal barrier function assay reagent development.
CAS No.	28-2-1731
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived mouse Carbohydrate Sulfotransferase 5/CHST5 protein.
Reaction	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues and O-linked sugars of mucin-type acceptors.
Activity Definition	Measured by its ability to transfer sulfate from PAPS to N-acetyl-D-glucosamine under the described conditions.