Creative Enzymes
Diagnostic Enzymes

Carbohydrate Sulfotransferase 2 (CHST2)

Product Information

Cat#	DIA-669
Descriptions	Carbohydrate Sulfotransferase 2 (CHST2) catalyzes 6-O-sulfation of terminal N-acetylglucosamine residues in mucin-type O-glycans, participates in lymphocyte homing regulation, and is applied in immunological glycan research and selectin ligand synthesis.
Applications	Carbohydrate Sulfotransferase 2 (CHST2) is applied in lymphocyte homing related detection kits and selectin ligand assay reagent development.
CAS No.	28-02-2128
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Carbohydrate Sulfotransferase 2/CHST2 protein.
Reaction	3′-phosphoadenylyl sulfate + 3-O-{N-acetyl-beta-D-glucosaminyl- (1->3)-beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminyl}-L-threonyl-[protein] = 3-O-{6-O-sulfo-N-acetyl-beta-D-glucosaminyl- (1->3)-beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminyl}-L-threonyl-[protein] + adenosine 3′, 5′-bisphosphate + H+
Activity Definition	Measured by its ability to transfer sulfate from PAPS to N-acetyl-D-glucosamine under the described conditions.

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