

Carbohydrate Sulfotransferase 7 (CHST7)

Product Information

Cat#	DIA-674
Descriptions	Carbohydrate Sulfotransferase 7 (CHST7) is mainly expressed in the central nervous system, catalyzes sulfation of specific carbohydrate structures on neural glycoproteins, and regulates neural development and synaptic function-related biological processes.
Applications	Carbohydrate Sulfotransferase 7 (CHST7) serves as a tool for nervous system glycan detection kit development and synaptic function assay reagent development.
CAS No.	28-2-1733
Enzyme Commission Number	EC 2.8.2.17
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived mouse Carbohydrate Sulfotransferase 7/CHST7 protein.
Reaction	$n \text{ 3'-phosphoadenylyl sulfate} + \text{chondroitin beta-D-glucuronate} = n \text{ adenosine 3', 5'-bisphosphate} + \text{chondroitin 6'-sulfate} + 2 \text{ H}^+$
Activity Definition	Measured by its ability to transfer sulfate from PAPS to N-acetyl-D-glucosamine under the described conditions.