

Fucosyltransferase 9 (FUT9)

Product Information

Cat#	DIA-712
Descriptions	Fucosyltransferase 9 (FUT9) synthesizes Lewis x and stage-specific embryonic antigen-1 structures via α -1,3 fucosylation, plays a pivotal role in embryonic development and stem cell pluripotency regulation, and supports developmental glycobiology research.
Applications	Fucosyltransferase 9 (FUT9) is used for stage-specific embryonic antigen detection kits and developmental glycosylation assay reagent development.
CAS No.	24-1-15224
Enzyme Commission Number	EC 2.4.1.152
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Fucosyltransferase 9/FUT9 protein.
Reaction	a beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + GDP-beta-L-fucose = a beta-D-galactosyl- (1->4)-[alpha-L-fucosyl- (1->3)]-N-acetyl-beta-D-glucosaminyl derivative + GDP + H ⁺
Activity Definition	Measured by its ability to transfer fucose from GDP-fucose to N-Acetylactosamine.