

Fucosyltransferase 5 (FUT5)

Product Information

Cat#	DIA-708
Descriptions	Fucosyltransferase 5 (FUT5) is an α -1,3 fucosyltransferase that acts on N-acetyllactosamine acceptors to form Lewis x structures, exhibits distinct tissue expression patterns, and supports research on cell adhesion and developmental glycosylation regulation.
Applications	Fucosyltransferase 5 (FUT5) is suitable for Lewis x antigen detection kits and cell adhesion related assay reagent development.
CAS No.	24-1-65320
Enzyme Commission Number	EC 2.4.1.65
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Fucosyltransferase 5/FUT5 protein.
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-beta-D-glucosaminyl derivative + GDP-beta-L-fucose = a beta-D-galactosyl- (1->3)-[alpha-L-fucosyl- (1->4)]-N-acetyl-beta-D-glucosaminyl derivative + GDP + H ⁺
Activity Definition	Measured by its ability to transfer fucose from GDP-fucose to N-Acetyllactosamine.