

Fucosyltransferase 3 (FUT3)

Product Information

Cat#	DIA-707
Descriptions	Fucosyltransferase 3 (FUT3) possesses both α -1,4 and α -1,3 fucosyltransferase activities, mediates the synthesis of Lewis blood group antigens including Le (a) and Le (b), and is widely applied in antigen preparation and tumor-associated glycan research.
Applications	Fucosyltransferase 3 (FUT3) is widely used in Lewis blood group antigen detection kits and tumor-associated glycan assay reagent development.
CAS No.	24-1-65319
Enzyme Commission Number	EC 2.4.1.65
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Fucosyltransferase 3/FUT3 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-Acetylglucosamine.