

Fucosyltransferase 8 (FUT8)

Product Information

Cat#	DIA-711
Descriptions	Fucosyltransferase 8 (FUT8) is the only enzyme that catalyzes core α -1,6 fucosylation of N-glycans, regulates antibody-dependent cellular cytotoxicity, and is a critical target for antibody drug glycoengineering and therapeutic protein efficacy optimization.
Applications	Fucosyltransferase 8 (FUT8) is widely applied in antibody core fucosylation detection kits and antibody drug quality assay reagent development.
CAS No.	24-1-68223
Enzyme Commission Number	EC 2.4.1.68
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Fucosyltransferase 8/FUT8 protein.
Reaction	GDP-beta-L-fucose + N4-{beta-D-GlcNAc- (1->2)-alpha-D-Man- (1->3)-[beta-D-GlcNAc- (1->2)-alpha-D-Man- (1->6)]-beta-D-Man- (1->4)-beta-D-GlcNAc- (1->4)-beta-D-GlcNAc}-L-asparaginyI-[protein] = GDP + H ⁺ + N4-{beta-D-GlcNAc- (1->2)-alpha-D-Man- (1->3)-[beta-D-GlcNAc- (1->2)-alpha-D-Man- (1->6)]-beta-D-Man- (1->4)-beta-D-GlcNAc- (1->4)-[alpha-L-Fuc- (1->6)]-beta-D-GlcNAc}-L-asparaginyI-[protein]
Activity Definition	Measured by its ability to transfer fucose from GDP-fucose to N-Acetylactosamine.