

Fucosyltransferase 2 (FUT2)

Product Information

Cat#	DIA-706
Descriptions	Fucosyltransferase 2 (FUT2) catalyzes α -1,2 fucosylation of terminal galactose residues to form H blood group antigens on secretory mucins, determines the human secretor phenotype, and is essential for synthesizing histo-blood group antigens and studying host-microbe interactions.
Applications	Fucosyltransferase 2 (FUT2) is applied in secretor phenotype detection kits and histo-blood group antigen assay reagent development.
CAS No.	24-1-69318
Enzyme Commission Number	EC 2.4.1.69
Enzyme Source	Human embryonic kidney cell, HEK293-derived human Fucosyltransferase 2/FUT2 protein.
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-beta-D-glucosaminy derivative + GDP-beta-L-fucose = an alpha-L-Fuc- (1->2)-beta-D-Gal- (1->3)-beta-D-GlcNAc derivative + GDP + H ⁺
Activity Definition	Measured by its ability to transfer fucose from GDP-fucose to lactose.