

Alpha1, 3-Galactosyltransferase (GTB)

Product Information

Cat#	DIA-620
Descriptions	Alpha1, 3-galactosyltransferase (GTB) belongs to the glycosyltransferase superfamily, specifically constructs α -1,3 galactose epitopes associated with type B blood antigen, and serves as a critical enzyme for blood group glycan preparation and glycomics basic research.
Applications	Alpha1, 3-galactosyltransferase (GTB) is widely applied in type B blood group antigen detection kit development and blood grouping reagent raw material preparation.
CAS No.	124-1-37
Enzyme Commission Number	EC 2.4.1.37
Enzyme Source	E.coli recombinant Human blood group B galactosyltransferase From Homo sapiens.
Reaction	FucAlpha1.2GalBeta1-4GlcBetaOR + UDP-Gal = Gal Alpha1.3 FucAlpha1.2GalBeta1-4GlcBetaOR + UDP
Activity Definition	One unit is defined as the amount of enzyme that transfer 1Mumol Gal from UDP-Gal to FucAlpha1.2GalBeta1-4Glc to form Gal Alpha1.3 FucAlpha1.2GalBeta1-4Glc per min at 37°C.
Package	1 U, 5 U, 25 U