

Beta1, 3-Galactosyltransferase (CvBeta3GalT)

Product Information

Cat#	DIA-659
Descriptions	Beta1, 3-galactosyltransferase (CvBeta3GalT) derived from Chromobacterium violaceum exhibits robust catalytic activity for β -1,3 galactoside bond formation, shows broad substrate adaptability, and is suitable for synthesizing diverse β -1,3 linked galactooligosaccharides.
Applications	Beta1, 3-galactosyltransferase (CvBeta3GalT) is suitable for β -1,3 linked galactooligosaccharide detection kits and diverse glycan synthesis assay reagent development.
CAS No.	124-1-62
Enzyme Commission Number	EC 2.4.1.62
Enzyme Source	E.coli recombinant Beta1,3-galactosyltransferase from Chromobacterium violaceum.
Reaction	$\text{GlcNAc}\beta 3\text{Gal}\beta 4\text{Glc} + \text{UDP-Gal} = \text{Gal}\beta 3\text{GlcNAc}\beta 3\text{Gal}\beta 4\text{Glc} + \text{UDP}$
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the transfer of 1 μmol gal from UDP-Gal to GlcNAc β 3Gal β 4Glc per minute at 37°C.