

Beta-1, 4-Galactosyltransferase 7 (B4GALT7)

Product Information

Cat#	DIA-644
Descriptions	Beta-1, 4-Galactosyltransferase 7 (B4GALT7) initiates proteoglycan linker region synthesis by transferring galactose to xylose residues via β -1,4 linkage, is essential for glycosaminoglycan chain assembly, and supports proteoglycan biosynthesis research and related disease mechanism studies.
Applications	Beta-1, 4-Galactosyltransferase 7 (B4GALT7) serves as a key raw material for proteoglycan biosynthesis detection kits and glycosaminoglycan assembly assay reagent development.
CAS No.	24-1-13305
Enzyme Commission Number	EC 2.4.1.133
Enzyme Source	HEK293-derived
Reaction	3-O- (beta-D-xylosyl)-L-seryl-[protein] + UDP-alpha-D-galactose = 3-O- (beta-D-galactosyl- (1->4)-beta-D-xylosyl)-L-seryl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer galactose from UDP-Galactose to D-Xylose.