

B4GALT5 抗原（重组蛋白）

中文名称： B4GALT5 抗原（重组蛋白）

英文名称： B4GALT5 Antigen (Recombinant Protein)

别名： UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5; gt-V;
B4Gal-T5; beta4Gal-T5; beta4GalT-V; BETA4-GALT-IV

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 189-388 amino acids of human B4GALT5

技术规格

Full name:	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
Synonyms:	gt-V; B4Gal-T5; beta4Gal-T5; beta4GalT-V; BETA4-GALT-IV
Swissprot:	O43286
Gene Accession:	BC112265
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a d

distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The function of the enzyme encoded by this gene is not clear. This gene was previously designated as B4GALT4 but was renamed to B4GALT5. In the literature it is also referred to as beta4GalT2.