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Product datasheet for TP726957

B4GAT1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human B3GNT1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp43-Cys415
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris HCl,150mM NaCl,Ph7.4.
Note:	Recombinant Human N-Acetyllactosaminide beta-1,3-N-Acetylglucosaminyltransferase is produced by our Mammalian expression system and the target gene encoding Asp43-Cys415 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	11041
UniProt ID:	O43505
Synonyms:	N-Acetyllactosaminide Beta-1;3-N-Acetylglucosaminyltransferase; I-Beta-1;3-N-Acetylglucosaminyltransferase; iGnT; Poly-N-Acetyllactosamine Extension Enzyme; UDP-GlcNAc:BetaGal Beta-1;3-N-Acetylglucosaminyltransferase 1; B3GNT1; B3GNT6
Summary:	N-Acetyllactosaminide β-1,3-N-Acetylglucosaminyltransferase (B3GNT1) is a member of the β-1,3-N-Acetylglucosaminyltransferase family. B3GNT1 is a single-pass type II membrane protein and widely expressed in many tissues. B3GNT1 can initiate the synthesis or the elongation of the linear poly-N-acetyllactosaminoglycans. B3GNT1 is essential for the synthesis of poly-N-acetyllactosamine, a determinant for the blood group i antigen. It can initiate the synthesis or the elongation of the linear poly-N-acetyllactosaminoglycans.
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways

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