Datasheet for ABIN7318190

B3GNT1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	B3GNT1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GNT1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human B4GAT1/B3GNT1 Protein (His Tag)
Sequence:	Asp43-Cys415
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	B3GNT1
Alternative Name:	B4GAT1/B3GNT1 (B3GNT1 Products)
Background:	Background: 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

Target Details

	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. Synonym: 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
Molecular Weight:	43.4 kDa
UniProt:	O43505
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.