

Recombinant Human B4GAT1/B3GNT1 Protein (His Tag)

Catalog No. PKSH032105

Description

Synonyms	N-Acetylglucosaminyltransferase; I-Beta-1;3-N-Acetylglucosaminyltransferase; iGnT; Poly-N-Acetylglucosamine Extension Enzyme; UDP-GlcNAc:BetaGal Beta-1;3-N-Acetylglucosaminyltransferase 1; B3GNT1; B3GNT6
Species	Human
Expression_host	Human Cells
Sequence	Asp43-Cys415
Accession	O43505
Mol_Mass	43.4 kDa
AP_Mol_Mass	50 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Background

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-acetylglucosaminoglycans. B3GNT1 is essential for the synthesis of poly-N-acetylglucosamine, a determinant for the blood group i antigen. It can initiate the synthesis or the elongation of the linear poly-N-acetylglucosaminoglycans.

SDS-PAGE

