

## Recombinant Human B4GAT1/B3GNT1 Protein (His Tag)

**Catalog Number:** PKSH032105

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

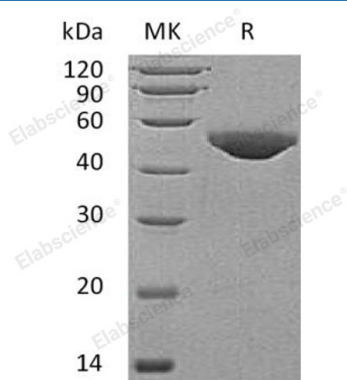
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human B4GAT1;B3GNT1 protein Asp43-Cys415, with an C-terminal His
<b>Calculated MW</b>	43.4 kDa
<b>Observed MW</b>	45-55 kDa
<b>Accession</b>	O43505
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

N-Acetylglucosaminyltransferase  $\beta$ -1,3-N-Acetylglucosaminyltransferase (B3GNT1) is a member of the  $\beta$ -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.

### For Research Use Only