



Recombinant Protein Technical Manual

Recombinant Human B4GAT1/B3GNT1 Protein (His Tag)

RPES3241

Product Data:

Product SKU: RPES3241

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O43505

Protein Information:

Molecular Mass: 43.4 kDa

AP Molecular Mass: 50 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Application:

Synonyms: N-Acetylglucosaminide Beta;3-N-Acetylglucosaminyltransferase; I-Beta;3-N-Acetylglucosaminyltransferase; iGnT; Poly-N-Acetylglucosamine Extension Enzyme; UDP-GlcNAc:BetaGal Beta;3-N-Acetylglucosaminyltransferase 1; B3GNT1; B3GNT6

Immunogen Information:

Sequence: Asp43-Cys415

Background:

N-Acetyllactosaminide β ,3-N-Acetylglucosaminyltransferase (B3GNT1) is a member of the β ,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.