

**Recombinant Human B3GNT1 Protein(C-6His)**

**Cat.NO.: TP05448**

3th Edition

**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

**Description:**N-Acetyllactosaminide  $\beta$ -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-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.

**Form:**PBS

**Molecular Weight:**43.4 kDa

**Sequences:**Asp43-Cys415

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.