

## 32-7725: Recombinant Human B3GNT1 (C-6His)(Discontinued)

**Gene :** B4GAT1

**Gene ID :** 11041

**Uniprot ID :** O43505

### Description

Source: Human Cells.

MW :43.4kD.

Recombinant Human B3GNT1 is produced by our Mammalian expression system and the target gene encoding Asp43-Cys415 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** DQYFEFFPPSPRSVDQVKAQLRTALASGGVLDASGDYRVYRGLLKTMDPNDVILATHASVDNLLHLSGLLER  
WEGPLSVSVFAATKEEAQLATVLAYALSSHCPDMRARVAMHLVCPSRYEAAVDPREPGEFALLRSCQEVFDK  
LARVAQPGINIALGTNVSYPNNLLRNLAEGANYALVIDVDMVPSEGLWRGLREMLDQSNQWGGTALVVPF  
EIRRARRMPMNKNELVQLYQVGEVRPFYGLCTPCQAPTNYSRWVNLPEESLLRPAYVVPWQDPWEPFYVAG  
GKVPTFDERFRQYGFNRISQACELHVAGDFEVLNEGFLVHKGFKEALKFHPQKEAENQH NKILYRQFKQELKA  
KYPNSPRRCVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.