

## Recombinant Human B3GNT1 protein, His-tagged

Cat. No. B3GNT1-41H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human B3GNT1 protein(NP_006867.1) (Asp43-Cys415) was expressed in HEK293 with a polyhistidine tag at the N-terminus.                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                               |
| <b>ProteinLength</b>    | 43-415 aa                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                |
| <b>Molecular Mass</b>   | The recombinant human B3GNT1 consists 392 amino acids and predicts a molecular mass of 44.7 kDa.                                                                                     |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                       |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.                                                                                                                                                    |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.        |

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## GENE INFORMATION

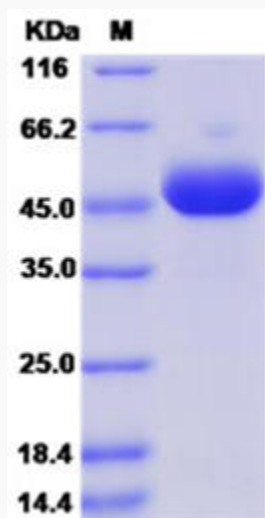
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | B3GNT1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | B3GNT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | B3GNT1; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1; B3GNT6, UDP GlcNAc:betaGal beta 1,3 N acetylglucosaminyltransferase 6; N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase; B3GN T1; BETA3GNTI; iGAT; iGNT; iGnT; poly-N-acetyllactosamine extension enzyme; i-beta-1,3-N-acetylglucosaminyltransferase; beta-1,3-N-acetylglucosaminyltransferase bGnT-6; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6; B3GNT6; B3GN-T1; |
| <b>Gene ID</b>         | 11041                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_006876                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_006867                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 605517                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | O43505                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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SDS-PAGE



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