

## Product Datasheet

### Recombinant Human B3GNT1 Protein (orb2994848)

|                             |                                                                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>       | orb2994848                                                                                                                                                                                                                                                                             |
| <b>Category</b>             | Proteins                                                                                                                                                                                                                                                                               |
| <b>Description</b>          | Recombinant Human N-Acetylglucosaminide Beta-1,3-N-Acetylglucosaminyltransferase is produced by our Mammalian expression system and the target gene encoding Asp43-Cys415 is expressed with a 6His tag at the C-terminus.                                                              |
| <b>Conjugation</b>          | Unconjugated                                                                                                                                                                                                                                                                           |
| <b>Tag</b>                  | C-6His                                                                                                                                                                                                                                                                                 |
| <b>Form/Appearance</b>      | Lyophilized                                                                                                                                                                                                                                                                            |
| <b>Buffer/Preservatives</b> | 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.4.                                                                                                                                                                                                                         |
| <b>Reconstitution</b>       | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Purity</b>               | SDS-PAGE: Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                         |
| <b>UniProt ID</b>           | <b>O43505</b>                                                                                                                                                                                                                                                                          |
| <b>MW</b>                   | Predicted: 43.4 KDa. Observed: 45-55 KDa, reducing conditions                                                                                                                                                                                                                          |
| <b>Expression System</b>    | Human Cells                                                                                                                                                                                                                                                                            |
| <b>Endotoxins</b>           | 1 EU/µg as determined by LAL test.                                                                                                                                                                                                                                                     |
| <b>Biological Origin</b>    | Human                                                                                                                                                                                                                                                                                  |

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|                          |                                                                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expression Region</b> | Asp43-Cys415                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months. |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                                                                       |

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