

## Product datasheet for PH308100

### B3GNT1 (B3GNT2) (NM\_006577) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	B3GNT2 MS Standard C13 and N15-labeled recombinant protein (NP_006568)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208100
Predicted MW:	46 kDa
Protein Sequence:	>RC208100 protein sequence Red=Cloning site Green=Tags(s)  MSVGRRIKLLGILMMANVFIYFIMEVSKSSSQEKNGKGEVVIIPKEKFWKISTPPEAYWNREQEKLNRQY NPILSMLTNQTGEAGRLSNISHLNYCEPDLRVTSVVTGFNNLPDRFKDFLLYLRCRNYSLLIDQPKCAK KPFLLLAIKSLTPHFARRQAIRESWGQESNAGNQTVVVRVFLLGQTPPEDNHPDLSMLKFESEKHQDILM WNYRDTFFNLSLKEVFLRWVSTSCPDETFVFKGDDDFVNTHHILNLSLTKKAKDLFIGDVIHNAG PHRDKCLKYYIPEVVYSGLYPPYAGGGFLYSGHLALRLYHITDQVHLYPIDDVYTMCLQKGLVPEKH KGFRTFDIEEKNKNNICSYVDLMLVHSRKPQEMIDIWSQLQSAHLKC  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006568</a>
RefSeq Size:	2788
RefSeq ORF:	1191
Synonyms:	3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2; BGNT2



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Locus ID: 10678

UniProt ID: [Q9NY97](#)

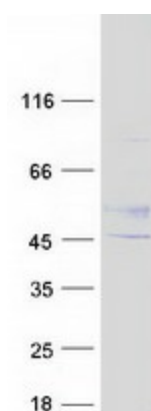
Cytogenetics: 2p15

**Summary:** This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2016]

**Protein Families:** Transmembrane

**Protein Pathways:** Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways

### Product images:



Coomassie blue staining of purified B3GNT2 protein (Cat# [TP308100]). The protein was produced from HEK293T cells transfected with B3GNT2 cDNA clone (Cat# [RC208100]) using MegaTran 2.0 (Cat# [TT210002]).