

Product datasheet for **TP308100L**

B3GNT1 (B3GNT2) (NM_006577) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 (B3GNT2), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208100 protein sequence
Red=Cloning site **Green**=Tags(s)

MSVGRRRRIKLLGILMMANVFIYFIMEVSKSSSQEKNGKGEVIIPKEKFWKISTPPEAYWNREQEKLNRQY
NPILSMLTNQTGEAGRLSNISHLNYCEPDLRVTSVVTGFNNLPDRFKDFLLYLRCRNYSLIDQPKCAK
KPFLLLAIKSLTPHFARRQAIRESWGQESNAGNQTVVRVFLGQTPPEDNHPDLSMDLKFESKHKQDILM
WNYRDTFFNLSLKEVFLRWVSTSCPDTFVFKGDDDFVNTHHILNYLNSLSKTKAKDLFIGDVIHNAG
PHRDKKLYIPEVYSGLYPPYAGGGGFLYSGHLALRLYHITDQVHLYPIDDVYTMCLQKGLVPEKH
KGFRTFDIEKNKNNICSYVDLMLVHSRKPQEMIDIWSQLQSAHLKC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 45.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_006568](#)



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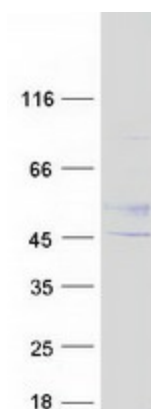
Locus ID:	10678
UniProt ID:	Q9NY97
RefSeq Size:	2788
Cytogenetics:	2p15
RefSeq ORF:	1191
Synonyms:	3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2; BGNT2

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]).