

Product datasheet for TP308100M

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208100 protein sequence Red=Cloning site Green=Tags(s)

MSVGRRRRIKLLGILMMANVFIYFIMEVSKSSSQEKNGKGEVIIPKEKFWKISTPPEAYWNREQEKLNRQY
NPILSMLTNQTGEAGRLSNISHLNYCEPDLRVTSVVTGFNNLPDRFKDFLLYLRCRNYSLIDQPDKCAK
KPFLLLAIKSLTPHFARRQAIRESWGQESNAGNQTVVRVFLGQTPPEDNHPDLSMDLKFESKHDILM
WNYRDTFFNLSLKEVFLRWVSTSCPDTFVFKGDDDFVNTHHILNYLNSLSKTKAKDLFIGDVIHAG
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:	<u>NP_006568</u>



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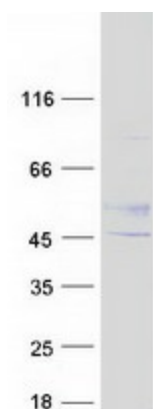
Locus ID:	10678
UniProt ID:	Q9NY97
RefSeq Size:	2788
Cytogenetics:	2p15
RefSeq ORF:	1191
Synonyms:	3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2; BGNT2

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]).