

Active Recombinant Human B3GNT2 Protein (AA 35-397), N-6×His/GFP tagged

Cat. No. B3GNT2-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human B3GNT2 Protein (AA 35-397) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 35-397
Description	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.
Bio-activity	≥0.69 with 1mM donor and 5mM acceptor
Molecular Mass	~85 kDa
AA Sequence	KNGKGEVIIPKEKFWKISTPPEAYWNREQEKLNRQYNPILSMLTNQTGEAGRLSNIS HLNYCEPDRVTSVVTGFNNLPDRFKDFLLYLRCRNYSLIDQPDKCAKKPFLLLAIKS LTPHFARRQAIRESWGQESNAGNQTVVRVFLLGQTPPEDNHPDLSDMLKFESEKH QDILMWNRYRDTFFNLSLKEVFLRWVSTSCPDTEFVFKGDDDVFNTHHILNYLNSL SKTKAKDLFIGDVIHNAGPHRDKKLKYYIPEVVYSGLYPPYAGGGGFLYSGHLALRLY HITDQVHLYPIDDVYTGMCCLKLGLVPEKHKGFRFTDIEEKNKNNICSYVDLMLVHSR

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	KPQEMIDIWSQLQSAHLKC
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.
Stability	6 months if stored at -80 centigrade. Avoid repeated freeze thaws.
Concentration	1 µg/µL
Storage Buffer	Supplied as a 0.2 µm filtered solution in 20mM HEPES and 100mM NaCl buffer, pH 7.0, with 10% Glycerol.
Preservative	0.05 % NaN ₃
Shipping	This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name	B3GNT2 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Homo sapiens (human)]
Official Symbol	B3GNT2
Synonyms	B3GNT2; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2; B3GNT1, UDP GlcNAc:betaGal beta 1,3 N acetylglucosaminyltransferase 1; B3GN T1; B3GN T2; B3GNT 2; BETA3GNT; beta3Gn-T1; beta3Gn-T2; beta-1,3-Gn-T1; beta-1,3-Gn-T2; beta-1,3-N-acetylglucosaminyltransferase bGnT-1; beta-1,3-N-acetylglucosaminyltransferase bGnT-2; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1; B3GNT; BGNT2; B3GNT1; BGnT-2; B3GN-T2; B3GNT-2;

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Gene ID	10678
mRNA Refseq	NM_006577
Protein Refseq	NP_006568
MIM	605581
UniProt ID	Q9NY97
SDS-PAGE	