

Recombinant Human B3GNT2, His-tagged

Cat. No. B3GNT2-10103H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human B3GNT2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	B3GNT2 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Homo sapiens]
Official Symbol	B3GNT2

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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;
Gene ID	10678
mRNA Refseq	NM_006577
Protein Refseq	NP_006568
MIM	605581
UniProt ID	Q9NY97
Chromosome Location	2p15
Pathway	Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; O-linked glycosylation of mucins, organism-specific biosystem;
Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; galactosyltransferase activity; transferase activity, transferring glycosyl groups;