

Recombinant Human B3GNT4, His-tagged

Cat. No. B3GNT4-10105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human B3GNT4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	45-378a.a.
Description	This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase protein family. The encoded enzyme is involved in the biosynthesis of poly-N-acetylglucosamine chains and prefers lacto-N-neotetraose as a substrate. It is a type II transmembrane protein.
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	B3GNT4 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4 [Homo sapiens]
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Official Symbol	B3GNT4
Synonyms	B3GNT4; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4; B3GN T4; beta3Gn T4; BGnT-4; beta-1,3-Gn-T4; beta-1,3-N-acetylglucosaminyltransferase 4; beta-1,3-N-acetylglucosaminyltransferase bGn-T4; B3GN-T4; beta3Gn-T4;
Gene ID	79369
mRNA Refseq	NM_030765
Protein Refseq	NP_110392
MIM	605864
UniProt ID	Q9C0J1
Chromosome Location	12q24
Pathway	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; Post-translational protein modification, organism-specific biosystem;
Function	galactosyltransferase activity; transferase activity, transferring glycosyl groups;