

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 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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<b>Official Symbol</b>	B3GNT4
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">79369</a>
<b>mRNA Refseq</b>	<a href="#">NM_030765</a>
<b>Protein Refseq</b>	<a href="#">NP_110392</a>
<b>MIM</b>	<a href="#">605864</a>
<b>UniProt ID</b>	<a href="#">Q9C0J1</a>
<b>Chromosome Location</b>	12q24
<b>Pathway</b>	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;
<b>Function</b>	galactosyltransferase activity; transferase activity, transferring glycosyl groups;

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