

Recombinant Human B3GNT3 Protein, His-tagged

Cat. No. B3GNT3-291H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human B3GNT3 Protein (Leu165-Arg277) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu165-Arg277
Description	This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein and contains a signal anchor that is not cleaved. It prefers the substrates of lacto-N-tetraose and lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains and the biosynthesis of the backbone structure of dimeric sialyl Lewis x. It plays dominant roles in L-selectin ligand biosynthesis, lymphocyte homing and lymphocyte trafficking.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.8 kDa Accurate Molecular Mass: 15 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	B3GNT3 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3 [Homo sapiens (human)]
Official Symbol	B3GNT3
Synonyms	B3GNT3; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3; TMEM3; B3GN T3; B3GNT 3; beta 1; 3 N acetylglucosaminyltransferase bGnT 3; beta3Gn T3; HP10328; putative type II membrane protein; transmembrane protein 3; beta3GalT8; beta-3-Gx-T8; beta-1,3-Gn-T3; beta-1,3-GalTase 8; core1-beta3GlcNAcT; beta-1,3-N-acetylglucosaminyltransferase bGnT-3; UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase 8; core 1 extending beta-1,3-N-acetylglucosaminyltransferase; UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 8; B3GN-T3; B3GNT-3; B3GAL-T8; beta3Gn-T3
Gene ID	10331

mRNA Refseq	NM_014256
Protein Refseq	NP_055071
MIM	605863
UniProt ID	Q9Y2A9
	