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Product datasheet for RC209669L3V

B3GNT3 (NM_014256) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	B3GNT3 (NM_014256) Human Tagged ORF Clone Lentiviral Particle
Symbol:	B3GNT3
Synonyms:	B3GAL-T8; B3GN-T3; B3GNT-3; beta3Gn-T3; HP10328; TMEM3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014256
ORF Size:	1116 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209669).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014256.3
RefSeq Size:	2720 bp
RefSeq ORF:	1119 bp
Locus ID:	10331
UniProt ID:	Q9Y2A9
Cytogenetics:	19p13.11
Domains:	Galactosyl_T
Protein Families:	Transmembrane

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Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

MW: 42.5 kDa

Gene Summary: 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 a. It plays dominant roles in L-selectin ligand biosynthesis, lymphocyte homing and lymphocyte trafficking. [provided by RefSeq, Jul 2008]