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Product datasheet for RC212605L3V

B4GALNT1 (NM_001478) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	B4GALNT1 (NM_001478) Human Tagged ORF Clone Lentiviral Particle
Symbol:	B4GALNT1
Synonyms:	GALGT; GalNAc-T; GALNACT; SPG26
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001478
ORF Size:	1599 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212605).`
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_001478.2
RefSeq Size:	2885 bp
RefSeq ORF:	1602 bp
Locus ID:	2583
UniProt ID:	Q00973
Cytogenetics:	12q13.3
Domains:	Glycos_transf_2
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
MW:	58.7 kDa
Gene Summary:	GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]