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Product datasheet for RC212219L2V

GALNT3 (NM_004482) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GALNT3 (NM_004482) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GALNT3
Synonyms:	GalNAc-T3; HFTC; HFTC1; HHS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004482
ORF Size:	1899 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212219).`
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_004482.2
RefSeq Size:	3874 bp
RefSeq ORF:	1902 bp
Locus ID:	2591
UniProt ID:	Q14435
Cytogenetics:	2q24.3
Domains:	RICIN, Glycos_transf_2
Protein Families:	Transmembrane

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Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 72.4 kDa

Gene Summary: This gene encodes UDP-GalNAc transferase 3, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation is regulated by a repertoire of GalNAc-transferases. The protein encoded by this gene is highly homologous to other family members, however the enzymes have different substrate specificities. [provided by RefSeq, Jul 2008]