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Product datasheet for RC207728L4V

GALNT6 (NM_007210) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GALNT6 (NM_007210) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GALNT6
Synonyms:	GALNAC-T6; GalNAcT6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007210
ORF Size:	1866 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207728).
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_007210.3
RefSeq Size:	4520 bp
RefSeq ORF:	1869 bp
Locus ID:	11226
UniProt ID:	Q8NCL4
Cytogenetics:	12q13.13
Domains:	RICIN, Glycos_transf_2
Protein Families:	Transmembrane

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Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 71.2 kDa

Gene Summary: This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. [provided by RefSeq, Jul 2008]