

## Product datasheet for **RC216697L1V**

### ST6GALNAC1 (NM\_018414) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ST6GALNAC1 (NM_018414) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ST6GALNAC1
Synonyms:	HSY11339; SIAT7A; ST6GalNAcI; STYI
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_018414
ORF Size:	1800 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216697).
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. <a href="#">More info</a>
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:	<a href="#">NM_018414.2</a>
RefSeq Size:	2437 bp
RefSeq ORF:	1803 bp
Locus ID:	55808
UniProt ID:	<a href="#">Q9NSC7</a>
Cytogenetics:	17q25.1
Domains:	Glyco_transf_29
Protein Families:	Transmembrane



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**Protein Pathways:** Metabolic pathways, O-Glycan biosynthesis

**MW:** 68.4 kDa

**Gene Summary:** Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]). [supplied by OMIM, Mar 2008]