

## Product datasheet for **RC223851L2V**

### ST8SIA1 (NM\_003034) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ST8SIA1 (NM_003034) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ST8SIA1
Synonyms:	GD3S; SIAT8; SIAT8-A; SIAT8A; ST8Sial
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003034
ORF Size:	1068 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223851).
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_003034.2</a>
RefSeq Size:	2117 bp
RefSeq ORF:	1071 bp
Locus ID:	6489
UniProt ID:	<a href="#">Q92185</a>
Cytogenetics:	12p12.1
Domains:	Glyco_transf_29
Protein Families:	Transmembrane



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

**MW:** 40.3 kDa

**Gene Summary:** Gangliosides are membrane-bound glycosphingolipids containing sialic acid. Ganglioside GD3 is known to be important for cell adhesion and growth of cultured malignant cells. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to GM3 to produce gangliosides GD3 and GT3. The encoded protein may be found in the Golgi apparatus and is a member of glycosyltransferase family 29. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2015]