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# Product datasheet for RC209400L1V

## ST3GAL5 (NM_003896) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | ST3GAL5 (NM_003896) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | ST3GAL5 |
| **Synonyms:** | SATI; SIAT9; SIATGM3S; SPDRS; ST3Gal V; ST3GalV |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_003896 |
| **ORF Size:** | 1254 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC209400). |
| **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_003896.3, NP_003887.3 |
| **RefSeq Size:** | 2397 bp |
| **RefSeq ORF:** | 1257 bp |
| **Locus ID:** | 8869 |
| **UniProt ID:** | Q9UNP4 |
| **Cytogenetics:** | 2p11.2 |
| **Domains:** | Glyco_transf_29 |
| **Protein Families:** | Transmembrane |

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**Protein Pathways:** Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways

**MW:** 48 kDa

**Gene Summary:** Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]