

## Product datasheet for **RC223765L3V**

### ST6GALNAC4 (NM\_175040) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ST6GALNAC4 (NM_175040) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | ST6GALNAC4   |
| Synonyms:                 | IV; SIAT3-C; SIAT3C; SIAT7-D; SIAT7D; ST6GalNAc; ST6GALNACIV   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_175040  |
| ORF Size:                 | 654 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223765).   |
| 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_175040.1</a> , <a href="#">NP_778205.1</a>  |
| RefSeq Size:              | 1575 bp  |
| RefSeq ORF:               | 657 bp   |
| Locus ID:                 | 27090  |
| UniProt ID:               | <a href="#">Q9H4F1</a>   |
| Cytogenetics:             | 9q34.11  |
| Protein Families:         | Transmembrane  |
| Protein Pathways:         | Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways  |



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**MW:** 25.2 kDa

**Gene Summary:** The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]