

## Product datasheet for **RC219466L1V**

### Dopamine Transporter (SLC6A3) (NM\_001044) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Dopamine Transporter (SLC6A3) (NM_001044) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Dopamine Transporter   |
| Synonyms:                 | DAT; DAT1; PKDYS; PKDYS1   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001044  |
| ORF Size:                 | 1860 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC219466).   |
| 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_001044.2</a>  |
| RefSeq Size:              | 3945 bp  |
| RefSeq ORF:               | 1863 bp  |
| Locus ID:                 | 6531   |
| UniProt ID:               | <a href="#">Q01959</a>   |
| Cytogenetics:             | 5p15.33  |
| Domains:                  | SNF  |
| Protein Families:         | Druggable Genome, Transmembrane  |



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**Protein Pathways:** Parkinson's disease

**MW:** 68.3 kDa

**Gene Summary:** This gene encodes a dopamine transporter which is a member of the sodium- and chloride-dependent neurotransmitter transporter family. The 3' UTR of this gene contains a 40 bp tandem repeat, referred to as a variable number tandem repeat or VNTR, which can be present in 3 to 11 copies. Variation in the number of repeats is associated with idiopathic epilepsy, attention-deficit hyperactivity disorder, dependence on alcohol and cocaine, susceptibility to Parkinson disease and protection against nicotine dependence.[provided by RefSeq, Nov 2009]