

## Product datasheet for **MR200355L2V**

### **Txn1 (NM\_011660) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Txn1 (NM_011660) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Txn1   |
| Synonyms:                 | ADF; AW550880; Trx1; Txn   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_011660  |
| ORF Size:                 | 318 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR200355).   |
| 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_011660.3</a> , <a href="#">NP_035790.1</a>  |
| RefSeq Size:              | 1051 bp  |
| RefSeq ORF:               | 318 bp   |
| Locus ID:                 | 22166  |
| UniProt ID:               | <a href="#">P10639</a>   |
| Cytogenetics:             | 4 31.87 cM   |



[View online »](#)

**Gene Summary:**

Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions (By similarity). Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Induces the FOS/JUN AP-1 DNA binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity (By similarity). [UniProtKB/Swiss-Prot Function]