

## Product datasheet for **MR226639L3V**

### **Cntn1 (NM\_001159647) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Cntn1 (NM_001159647) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Cntn1  |
| Synonyms:                 | AW495098; CNTN; F3cam; usl   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001159647   |
| ORF Size:                 | 3060 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR226639).   |
| 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_001159647.1</a> , <a href="#">NP_001153119.1</a>  |
| RefSeq Size:              | 5817 bp  |
| RefSeq ORF:               | 3063 bp  |
| Locus ID:                 | 12805  |
| UniProt ID:               | <a href="#">P12960</a>   |
| Cytogenetics:             | 15 46.39 cM  |



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**Gene Summary:**

Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth.[UniProtKB/Swiss-Prot Function]