

## Product datasheet for **MR216453L4V**

### **Nsd3 (NM\_001081269) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Nsd3 (NM_001081269) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Nsd3   |
| Synonyms:                 | 6720429E03; A530023P05; AI528490; WHIS; WHISTLE; Whsc1; Whsc11   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001081269   |
| ORF Size:                 | 4338 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR216453).   |
| 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_001081269.1</a> , <a href="#">NP_001074738.1</a>  |
| RefSeq Size:              | 9945 bp  |
| RefSeq ORF:               | 4341 bp  |
| Locus ID:                 | 234135   |
| Cytogenetics:             | 8 A2   |



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**Gene Summary:**

This gene encodes a member of the SET domain family of histone lysine N-methyltransferase proteins. This protein methylates histone H3 at lysine residues 4 and 27, which represses gene transcription. It acts in opposition to the histone demethylase Jmjd1c. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2015]