

## Product datasheet for **RC227362L3V**

### **MAD3 (MXD3) (NM\_001142935) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | MAD3 (MXD3) (NM_001142935) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | MAD3   |
| Synonyms:                 | BHLHC13; MAD3; MYX   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001142935   |
| ORF Size:                 | 579 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC227362).   |
| 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_001142935.1</a>   |
| RefSeq ORF:               | 582 bp   |
| Locus ID:                 | 83463  |
| UniProt ID:               | <a href="#">Q9BW11</a>   |
| Cytogenetics:             | 5q35.3   |
| Protein Families:         | Druggable Genome, Transcription Factors  |
| MW:                       | 21.9 kDa   |



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**Gene Summary:**

This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms have been described.[provided by RefSeq, Dec 2008]