

## Product datasheet for **MR224686L3V**

### Max (NM\_001146176) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Max (NM_001146176) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Max  |
| Synonyms:                 | AA960152; AI875693; bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001146176   |
| ORF Size:                 | 453 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR224686).   |
| 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_001146176.1</a> , <a href="#">NP_001139648.1</a>  |
| RefSeq Size:              | 1978 bp  |
| RefSeq ORF:               | 456 bp   |
| Locus ID:                 | 17187  |
| UniProt ID:               | <a href="#">P28574</a>   |
| Cytogenetics:             | 12 33.78 cM  |



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**Gene Summary:**

Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MYC or MAD which recognizes the core sequence 5'-CAC[GA]TG-3'. The MYC:MAX complex is a transcriptional activator, whereas the MAD:MAX complex is a repressor. CpG methylation of the recognition site greatly inhibits DNA binding, suggesting that DNA methylation may regulate the MYC:MAX complex in vivo. May repress transcription via the recruitment of a chromatin remodeling complex containing H3 'Lys-9' histone methyltransferase activity. Represses MYC transcriptional activity from E-box elements (By similarity).[UniProtKB/Swiss-Prot Function]