

Product datasheet for **RR210437L3V**

Mus81 (NM_001025645) Rat Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Mus81 (NM_001025645) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Mus81 |
| Synonyms: | MGC112911 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001025645 |
| ORF Size: | 1653 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR210437). |
| 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. More info |
| 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: | NM_001025645.1 , NP_001020816.1 |
| RefSeq Size: | 1924 bp |
| RefSeq ORF: | 1656 bp |
| Locus ID: | 293678 |
| UniProt ID: | Q4KM32 |
| Cytogenetics: | 1q43 |



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Gene Summary:

Interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks (By similarity).
[UniProtKB/Swiss-Prot Function]