

## Product datasheet for **MR220934L4V**

### Pias3 (NM\_018812) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Pias3 (NM_018812) Mouse Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                       |
| Symbol:                   | Pias3                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | Pias3l                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_018812                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 1779 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR220934).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_018812.2</a> , <a href="#">NP_061282.2</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 2833 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 1782 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 229615                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:               | <a href="#">O54714</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 3 F2.1                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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**Gene Summary:**

Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. Repressor of STAT3 signaling via inhibiting STAT3 DNA-binding and suppressing cell growth. Repressor of MTF transcriptional activity. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation. Sumoylates CCAR2 which promotes its interaction with SIRT1 (By similarity). Diminishes the sumoylation of ZFH3 by preventing the colocalization of ZFH3 with SUMO1 in the nucleus (By similarity). [UniProtKB/Swiss-Prot Function]