

Product datasheet for **RR203084L4V**

Wt1 (NM_031534) Rat Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Wt1 (NM_031534) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Wt1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_031534 |
| ORF Size: | 1344 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR203084). |
| 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_031534.2 , NP_113722.2 |
| RefSeq Size: | 2645 bp |
| RefSeq ORF: | 1347 bp |
| Locus ID: | 24883 |
| UniProt ID: | P49952 |
| Cytogenetics: | 3q33 |



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Gene Summary:

This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It plays an essential role in the normal development of the urogenital system, and the human gene is mutated in a small subset of patients with Wilm's tumors. Authors of PMID:7926762 provide evidence that Wt1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated. [provided by RefSeq, Jul 2008]