

Product datasheet for **RN203084**

Wt1 (NM_031534) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wt1 (NM_031534) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203084 representing NM_031534 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTCCGACGTGCGGGACCTGAACCGCTGCTGCCCGCGTGTCTCGCTGGGCGTGGAGGGCGCT
GTGGGCTCCCTGTGAGCGCGCGCGCAATGGGCGCGGTGCTGGACTTCGCGCCTCCGGCGCCTCGGC
TTACGGGTCACTGGGCGGTCCCGCCTCCTCCGCTCCGCCACCTCCGCCACCCCACTCTTC
ATCAAACAGGAGCCAGCTGGGGCGCGCCGAGCCGACGAGGAGCAGTGCCTGAGCGCCTTACCTTGC
ACTTCTCCGCGCCAGTTCACCGGTACAGCCGGGCTGTCGCTACGGACCCCTTCGGTCTCCCCCGCCAG
CCAGGCGTCATCCGGCCAGGCCAGGATGTTCCCAATGCGCCCTACCTGCCAGCTGCCTGGAGAGCCAG
CCCTCCATCCGCAACCAAGGATACAGCACGGTCACTTTCGACGGGGCACCCAGTTATGGCCACACGCCCT
CGCACCATGCAGCGCAGTTCCTCAATCATTCTTCAAACACGAGGACCCATGGGCCAGCAGGGCTCGT
GGGCGAGCAGCAGTACTCGGTGCCACCTCCAGTGTATGGCTGCCACACCCTACCGACAGTTGCACAGGC
AGCCAGGCCCTGCTCCTGAGGACGCCCTACAGCAGTGACAATTTATACCAGATGACCTCCAGCTTGAGT
GCATGACCTGGAACAGATGAACCTCGGAGCTACCTTGAAGGGAATGGCTGCTGGGAGCTCCAGCTCAGT
GAAATGGACAGAAGGGCAGAGCAACCACGCGCACAGGGTACGAGAGTGAGAACCACACAACCCCATCCTC
TGTGGTGGCCAGTACAGAATACACACCCACGGTGTCTCCGAGGCATTACAGGATGTGCGGCGCGTATCTG
GAGTGGCCCAACTCTTGTCCGGTCAGCATCTGAAACAGTGAGAAGCGTCTTTTATGTGTGCGTACCC
AGGCTGCAATAAGAGATATTTAAGCTGTCCCACTTACAGATGCACAGCCGGAAGCACACTGGTGAGAAA
CCATACCAGTGTGACTTCAAGGACTGCGAGAGAAGTTTTCTCGCTCAGACCAGCTCAAAGGCACCAAA
GGAGACACACAGGTGTGAAACATTCCAGTGTAAAAGTGTGACGAAAGTTTTCCCGGTCCGACCACCT
GAAGACCCACACCAGGACTCATAACAGTAAAACAAGTAAAAGCCCTTCAGCTGTGCGTGGCACAGTTGT
CAGAAAAAGTTTTGCGCGGTGAGCAGCAATTAGTCCGCCATCACAAATGCACCAGAGAAACATGACCAAA
TCCAGCTGGCGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031534
Insert Size:	1347 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031534.2 , NP_113722.2
RefSeq Size:	2645 bp
RefSeq ORF:	1347 bp
Locus ID:	24883
UniProt ID:	P49952
Cytogenetics:	3q33
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]