

Product datasheet for **MC217294**

Wt1 (NM_144783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wt1 (NM_144783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wt1
Synonyms:	D630046119Rik; Wt-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217294 representing NM_144783
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

GCGATCGCCCTGGACTTCTCTCTGTGCGAGGAGCCGGCTTCCACGTGTGTCCCGAGCCGGCGTCTCAGC
 ACACGCTCGGCCGGAGCCCGGTGCGTCCAGCAGCCGGAGCAACCTGGGGACCGAGGCCCCCGAGCGC
 CTGGGCCAAGTCCAGCGCCGAGAATCCGCAAGGATCGCAGGAGCGGAGAACCCTCCGCATCCGAGCCGCAC
 CTCATGGGTTCCGACGTGCGGGACCTGAACGCGTGTGCCCCGCTGTGTCTTCGCTGGGCGGCGCGGCG
 GCGGCTGCGGGTCCCTGTGAGCGGCGCAGCGCAGTGGGCGCCCGTGTGGACTTCGCGCCTCCGGGCGC
 CTCGGCTTACGGTTCGTTGGGCGTCCCGCGCTCCTCCCGCTCCGCCGCGCTCCGCCCCACCCAC
 TCCTTCATCAAACAGGAGCCAGCTGGGGCGGCCGAGCCACACGAGGAGCAGTGCCTGAGCGCCTTCA
 CCTTGCACTTCTCGGGCCAGTTCACCGGTACAGCCGGGGCTGTGCTACGGACCCTTCGGTCTCCCCC
 GCCCAGCCAGGCGTCTCGGGCCAGGCCAGGATGTTCCCAATGCGCCCTACCTGCCAGCTGCCTGGAG
 AGCCAGCCTACCATCCGCAACCAAGGATACAGCAGCGTCACTTTCGACGGGGCGCCAGCTATGGCCACA
 CGCCCTCGCATCACGCGGCGCAGTTCGCCAACCATTCTTCAAACACGAGGACCCATGGGCCAGCAGGG
 CTCGCTGGGCGAGCAGCAGTACTCCGTGCCACCTCCGGTGTATGGCTGCCACACCCTACTGACAGTTGC
 ACAGGCAGCCAGGCCCTGCTCCTGAGGACGCCCTACAGCAGTGACAATTTATACCAAATGACCTCCCAGC
 TTGAATGCATGACCTGGAATCAGATGAACCTAGGAGTACCTTAAAGGGAATGGCTGCTGGGAGCTCCAG
 CTCAGTGAAATGGACAGAAGGGCAGAGCAACCACGGCACAGGGTATGAGAGTGAGAACACACGGCCCC
 ATCCTCTGTGGTCCCACTACAGAATACACACCACGGGGTCTCCGAGGCATTCAGGATGTGCGGCGTG
 TATCTGGAGTGGCCCAACTTGTCCGGTCAGCATCTGAAACCAGTGAGAAACGTCCTTTCATGTGTGC
 ATACCCAGGCTGCAATAAGAGATATTTTAAGCTGTCCCACTTACAGATGCATAGCCGGAAGCACACTGGT
 GAGAAACCATAACAGTGTGACTTCAAGGACTGCGAGAGAAGGTTTTCTCGCTCAGACCAGCTCAAAAAGAC
 ACCAAAGGAGACACAGGTGTGAAACCTCCAGTGTAAAACCTGTGAGCGAAAGTTTTCCCGGTCCGA
 CCATCTGAAGACCACACCAGGACTCATACAGGTAACAAGTAAAAGCCCTTCAGCTGTGCGTGGCAC
 AGTTGTGAGAAAAGTTTGGCGCTCAGACGAATTGGTCCGCCATCACAACATGCATCAGAGAAACATGA
 CCAAATCCAGCTGGCGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_144783

Insert Size: 1563 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:

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_144783.2](#), [NP_659032.3](#)

RefSeq Size: 3092 bp

RefSeq ORF: 1554 bp

Locus ID: 22431

Cytogenetics: 2 55.06 cM

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 orthologous human gene is mutated in a small subset of patients with Wilm's tumors. Alternative splicing has been noted for this gene, however, the full-length nature of these variants is not known. The mRNA for this gene has been shown to initiate translation from non-AUG (CUG) and AUG translation start sites, resulting in different isoforms. [provided by RefSeq, Apr 2013]