

Product datasheet for SC213656

Wilms Tumor Protein (WT1) (NM_024426) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Wilms Tumor Protein (WT1) (NM_024426) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: WT1
Synonyms: AWT1; GUD; NPHS4; WAGR; WIT-2; WT33
ACCN: NM_024426
Insert Size: 1313 bp
Insert Sequence: >SC213656 3'UTR clone of NM_024426
The sequence shown below is from the reference sequence of NM_024426. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACATGACCAAACCTCCAGCTGGCGCTTTGAGGGGTCTCCCTCGGGGACCGTTCAGTGTCCCAGGCAGCA
CAGTGTGTGAACCTGCTTCAAGTCTGACTCTCCACTCCTCACTAAAAAGGAACTTCAGTTGATCT
TCTTCATCCAACCTCCAAGACAAGATACCGGTGCTTCTGGAACTACCAGGTGTGCCTGGAAGAGTTGG
TCTCTGCCTGCCTACTTTTAGTTGACTCACAGGCCCTGGAGAAGCAGCTAAACAATGTCTGGTTAGTTA
AAAGCCCATTTGCCATTTGGTGTGGATTTTCTACTGTAAGAAGAGCCATAGCTGATCATGTCCCCTGAC
CCTTCCCTTCTTTTTATGCTCGTTTTGCTGGGGATGGAATTATTGTACCATTTTCTATCATGGAAT
ATTTATAGGCCAGGGCATGTGTATGTGTCTGCTAATGTAACTTTGTCATGGTTCCATTTACTAACAG
CAACAGCAAGAAATAAATCAGAGAGCAAGGCATCGGGGTGAATCTTGTCTAACATTTCCGAGGTCAGC
CAGGCTGTAACCTGAAAGCAGGATGTAGTTCTGCCAGGCAACTTTAAAGCTCATGCATTTCAAGCA
GCTGAAGAAAAATCAGAATAACCACTACCTCTGTATAGAAATCTAAAAGAATTTACCATTCAGTTA
ATTCAATGTGAACACTGGCACACTGCTCTTAAGAACTATGAAGATCTGAGATTTTTTGTGTATGTTT
TTGACTCTTTTGTAGTGGTAATCATATGTGTCTTTATAGATGTACATACCTCCTTGACAAAATGGAGGGG
AATTCATTTTCACTGGGAGTGTCTTAGTGTATAAAACCATGCTGGTATATGGCTTCAAGTTGTA
AAAATGAAAGTGACTTTAAAAGAAAATAGGGGATGGTCCAGGATCTCCACTGATAAGACTGTTTTTAAG
TAACCTAAGGACCTTTGGGTCTACAAGTATATGTGAAAAAATGAGACTTACTGGGTGAGGAAATCCAT
TGTTTTAAGATGGTCGT
AAGGGAGGGAATTTATTTACCGTTGCTTGAATTAAGTACTAGTGTAAATATATGTCTGATAATGATTTGC
TCTTTGACAATAAAATAGGACTGTATAAGTACTAGATGCATCACTGGGTGTTGATCTTACAAGATAT
TGATGATAACACTTAAAATTGTAACCTGCATTTTCACTTTGCTCTCAATTAAGTCTATTCAAAGGA
AA
ACGCGTAAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG



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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_024426.6
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 has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilms tumor. This gene exhibits complex tissue-specific and polymorphic imprinting pattern, with biallelic, and monoallelic expression from the maternal and paternal alleles in different tissues. Multiple transcript variants have been described. In several variants, there is evidence for the use of a non-AUG (CUG) translation initiation codon upstream of, and in-frame with the first AUG. Authors of PMID:7926762 also 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, Mar 2015]
Locus ID:	7490
MW:	49.8