

Recombinant Human WT1 Protein, His-tagged

Cat. No. WT1-625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WT1, transcript variant A, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	54.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name WT1 Wilms tumor 1 [Homo sapiens]

Official Symbol WT1

Synonyms WT1; Wilms tumor 1; GUD; Wilms tumor protein; AWT1; WAGR; WIT 2; amino-terminal domain of EWS|last three zinc fingers of the DNA-binding domain of WT1; WT33; NPHS4; WIT-2; EWS-WT1;

Gene ID 7490

mRNA Refseq NM_000378

Protein Refseq NP_000369

MIM 607102

UniProt ID P19544

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