

# WT-1 recombinant protein

CatalogNo: YD3034

## Key Features

### Reactivity

- Human

## Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

**Formulation** Phosphate-buffered solution

## Recommended Dilution Ratios

## Basic Information

**Source** Mammalian cells

**Purification** Mammalian cells

**Purity** >90% as determined by SDS-PAGE

## Immunogen Information

**Sequence** Amino acid:392-438,with human FC tag.

## Target Information

**Gene name** WT1

**Protein Name** Wilms tumor protein (WT33)

Organism	Gene ID	UniProt ID
Human	<a href="#">7490</a> ;	<a href="#">P19544</a> ;

**Cellular Localization** Nucleus . Nucleus, nucleolus. Cytoplasm . Note=Isoforms lacking the KTS motif have a diffuse nuclear location (PubMed:15520190). Shuttles between nucleus and cytoplasm. . ; [Isoform 1]: Nucleus speckle . ; [Isoform 4]: Nucleus, nucleoplasm .

**Tissue specificity** Expressed in the kidney and a subset of hematopoietic cells.

**Function** Transcription factor that plays an important role in cellular development and cell survival (PubMed:7862533). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3' (PubMed:17716689, PubMed:25258363, PubMed:7862533). Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors (PubMed:15520190). Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing (PubMed:16934801). Isoform 1 has lower affinity for DNA, and can bind RNA (PubMed:19123921).

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## | Validation Data

## | Contact information

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Please scan the QR code to access additional product information:  
**WT-1 recombinant protein**

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