

**WT-1-FC recombinant protein**

<b>Catalog No :</b>	YD3034
<b>Reactivity :</b>	Human;
<b>Purity :</b>	>90% as determined by SDS-PAGE
<b>Gene Name :</b>	WT1
<b>Protein Name :</b>	Wilms tumor protein (WT33)
<b>Sequence :</b>	Amino acid:392-438,with FC tag.
<b>Human Gene Id :</b>	7490
<b>Human Swiss Prot No :</b>	P19544
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Mammalian cells
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Function :</b>	<p>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).</p>
<b>Subcellular Location :</b>	<p>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 .</p>
<b>Expression :</b>	Expressed in the kidney and a subset of hematopoietic cells.

## Products Images