

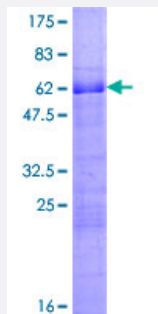
Full-Length

WT1 (Human) Recombinant Protein (P01)

Catalog # H00007490-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human WT1 full-length ORF (AAH32861.1, 1 a.a. - 302 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEKGYSTVTFDGTSPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTD
SCTGSQALLLRTPYSSDNLYQMTSQLECMTNQMNLGATLKGVAAGSSSSVKWTEGQSNHSTG
YESDNHTTILCGAQYRMHTHGVRGIQDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYF
KLSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHQRRHTGVKPFQCKTCQRKFSRSDHL
KTHTRTHTGEKPFSCRWPSCQKKFARSDDELVRHHNMHQRNMTKLQLAL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.9

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WT1

Entrez GeneID[7490](#)**GeneBank Accession#**[BC032861.2](#)**Protein Accession#**[AAH32861.1](#)**Gene Name**

WT1

Gene Alias

GUD, WAGR, WIT-2, WT33

Gene Description

Wilms tumor 1

Omim ID[136680](#) [194070](#) [194072](#) [194080](#) [256370](#) [607102](#)**Gene Ontology**[Hyperlink](#)**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 has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilms's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, have been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiation site upstream of, and in-frame with the first AUG, leading to additional isoforms. 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]

Other Designations

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Disease

- [Abnormalities](#)
- [Acute Disease](#)
- [Denys-Drash Syndrome](#)
- [Disease Progression](#)
- [Eye Diseases](#)
- [Frasier Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulosclerosis](#)
- [Gonadoblastoma](#)
- [Hypospadias](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leukemia](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Nephrotic Syndrome](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Recurrence](#)
- [Sex determination](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urogenital Abnormalities](#)

- [Wilms Tumor](#)