



# Recombinant Rat Wilms tumor protein homolog (Wt1)

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| <b>Product Code</b>      | CSB-BP026158RA  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P49952  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | <p>MGSDVRDLNA LLPAVSSLGG GGGCGLPVSG ARQWAPVLDF<br/>           APPGASAYGS LGGPAPPPAP PPPPPPHSF IKQEPSWGGA EPHEEQCLSA<br/>           FTLHFSGQFT GTAGACRYGP FGPPPPSQAS SGQARMFPNA PYLPSCLESQ<br/>           PSIRNQQYST VTFDGAPSYG HTPSHHAAQF PNHSFKHEDP MGQQGSLGEQ<br/>           QYSVPPVYG CHTPTDSCTG SQALLLRTPY SSDNLYQMTS<br/>           QLECMTWNQM NLGATLKGMA AGSSSSVKWT EGQSNHGTGY<br/>           ESENHTTPIL CGAQYRIHTH GVFRGIQDVR RVSGVAPTLV RASETSEKR<br/>           PFMCAYPGCN KRYFKLSHLQ MHSRKHTGEK PYQCDFKDCE<br/>           RFRSRDQLK RHQRRHTGVK PFQCKTCQRK FSRDHLKTH TRTHTGKTSE<br/>           KPFSCRWHSC QKKFARSDEL VRHHNMHQRN MTKLHVAL</p>   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | Wt1   |
| <b>Protein Names</b>     | Recommended name: Wilms tumor protein homolog   |
| <b>Expression Region</b> | 1-448   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | <p>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 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.</p> |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final   |



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.