

## Recombinant Human Wilms tumor protein(WT1)

Catalog No: #AP70920



Package Size: #AP70920-1 20ug #AP70920-2 100ug #AP70920-3 1mg

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## Description

Product Name	Recombinant Human Wilms tumor protein(WT1)
Brief Description	Recombinant protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-449aaSequence Info:Full Length
Other Names	WT33
Accession No.	Swiss-Prot#:P19544
Uniprot	P19544
GenelD	7490;
Calculated MW	65.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MGSDVRLNALLPAVPSLGGGGGCALPVSGAAQWAPVLDFAFPGASAYGSLGGPAPPAPPPPPPPHPSF IKQEPSWGGAEPEEQCLSAFTVHFSGQFTGTAGACRYGPFPPPPSQASSGQARMFPNAPYLPSCLSQP AIRNQGYSTVTFDGTSPSYGHTPSHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSTGTS QALLLRTPYSSDNLYQMTSQLECMTNQMNLGATLKGVAAGSSSSVKWTEGQSNHSTGYESDNHTTILCG AQYRIHTHGVFRGIQDVRVRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHRSRKHTEKPYQC DFKDCERRFSRSDQLKRHRHRTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKTSEKPFSCRWPSCQKKFA RSDELVRHHNMHQRNMTKLQAL
Formulation	Tris-based buffer50% glycerol
Storage	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.

## Background

Transcription factor that plays an important role in cellular development and cell survival. Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital syst. Recognizes and binds to the DNA sequence 5'-CGCCCCCGC-3'. 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. Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing. Isoform 1 has lower affinity for DNA, and can bind RNA.

## References

NIEHS SNPs program Human chromosome 11 DNA sequence and analysis including novel gene identification. Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y. Nature 440:497-500(2006)

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Note: This product is for in vitro research use only