

## Recombinant human Wilms tumor protein

Catalog No: #AP72163

Package Size: #AP72163-1 20ug #AP72163-2 100ug #AP72163-3 1mg

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## Description

Product Name	Recombinant human Wilms tumor protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-299aaSequence Info:Partial of Isoform 6
Other Names	WT33
Accession No.	P19544
Uniprot	P19544
GeneID	7490;
Calculated MW	38.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MEKGYSTVTFDGTSPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSTGSGA LLLRTPYSSDONLYQMTSQLECMTNQMNLGATLKGVAAGSSSSVKWTEGQSNHSTGYESDNHTTPILCGAQ YRIHTHGVFRGIQDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDF KDCERRFSRSDQLKRHRRTGVKPFQCKTCQRKFSRSDHLKTHTRHTGEKPFSCRWPSCQKKFARSDDEL VRHHNMHQRNMTKLQ
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## 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

Homozygous deletion in Wilms tumours of a zinc-finger gene identified by chromosome jumping.Gessler M., Poustka A., Cavenee W., Neve R.L., Orkin S.H., Bruns G.A.P.Nature 343:774-778(1990)Research Topic:Transcription

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Note: This product is for in vitro research use only