

Recombinant human Wilms tumor protein

Catalog No: #AP72163



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

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Description

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|-----------------------|---|
| 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 LLLRTPYSSDNLQMTSQLECMWNQMNLGATLKGVAAGSSSSVKWTEGQSNHSTGYESDNHTTPILCGAQ YRIHTHGVFRGIQDVRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHRSRKHTEKPYQCDF KDCERRFSRSDQLKRHRRTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKPFSCRWPSCQKKFARSDDEL 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

Note: This product is for in vitro research use only