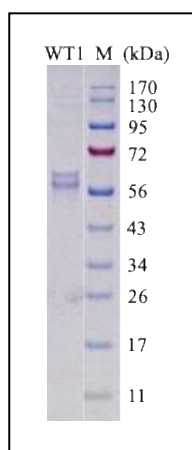


Recombinant WT1(KTS+) Protein

Catalog Number	Size
AG1108-10	10ug
AG1108-25	25ug
AG1108-B	Bulk

Description

The Wilm's tumor suppressor protein 1 (WT1) protein was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 537 (521+15) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 60kDa.



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MHHHHHHGRRASVLEGSDVRDLNALLPAVPSLGGGGGCALPVSGAAQWAP
VLDFAAPPASAYGSLGGPAPPPAPPPPPPPHPSFIKQEPSWGGAEPHEE
QCLSAFTVHFSGQFTGTAGACRYGPFPPPPPSQASSGQARMFPNAPYLP
CLESQPAIRNQGYSTVTFDGTSPSYGHTPSHHAAQFPNHSFKHEDPMGQQG
SLGEQQYSVPPPVYGCHTPTDSTGSAQLLLRTPYSSDNLYQMTSQLECM
TWNQMNLGATLKGVAAGSSSSSVKWTEGQSNHSTGYESDNHTTPILCGAQY
RIHTHGVRFGIQDVRVPVGVAPTLVRSASETSEKRPFMCAYPGCKNRYFK
LSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHRHRTGVKPFQCK
TCQRKFSRSDHLKTHTRHTGKTSSEKPFSCRWPSCQKKFARSDLVRRHN
MHQRNMTKLQLAL-
```

Accession Number

NM_024426

Molecular Mass

Approximately 60kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The WT1 protein acts as a tumor suppressor and plays an essential role in the normal development of urogenital system. Mutations of WT1 caused a small subset of patients with Wilms' tumor. The recombinant WT1 protein can be used for the studies of transcription assays, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!