

Datasheet for ABIN7545142
WT1 Protein (AA 1-449) (His tag)



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Overview

Quantity:	1 mg
Target:	WT1
Protein Characteristics:	AA 1-449
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat WT1 Protein expressed in mammalien cells.
Sequence:	<p>MGSDVRDLNA LLPAVPSLGG GGGCALPVSG AAQWAPVLDL APPGASAYGS LGGPAPPPAP PPPPPPPHS FIKQEPSWGG AEPHEEQCLS AFTVHFSGQF TG TAGACRYG PFGPPPPSQA SSGQARMFPN APYLPSCLLES QPAIRNQGYS TVTFDGTSPY GH TPSHAAQ FPNHSFKHED PMGQQGSLGE QQYSVPPPVY GCHTPTDSC T GSQALLLRTP YSSDNLYQMT SQLECM TWNQ MNLGATLKG V AAGSSSSVKW TEGQSNHSTG YESDNHTTPI LCGAQYRIHT HGVFRGIQDV RRVPGVAPTL VRSASETSEK RPFMCAYPGC NKRYFKLSHL QMHSRKHTGE KPYQCDFKDC ERRFSRSDQL KRHQRRHTGV KPFQCKTCQR KFSRSDHLKT HTRHTGKTS E KPFSCRWPS CQKKFARSDE LVRHHNMHQR NMTKLQ LAL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

WT1

Alternative Name:

WT1 ([WT1 Products](#))

Background:

Wilms tumor protein (WT33),FUNCTION: Transcription factor that plays an important role in cellular development and cell survival (PubMed:7862533). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3' (PubMed:7862533, PubMed:17716689, PubMed:25258363). Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. 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 (PubMed:15520190). Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing (PubMed:16934801). Isoform 1 has lower affinity for DNA, and can bind RNA (PubMed:19123921).
{ECO:0000269|PubMed:15520190, ECO:0000269|PubMed:16934801, ECO:0000269|PubMed:17716689, ECO:0000269|PubMed:19123921, ECO:0000269|PubMed:19416806, ECO:0000269|PubMed:25258363, ECO:0000269|PubMed:7862533}.

Target Details

Molecular Weight: 49.2 kDa

UniProt: [P19544](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months