

Datasheet for ABIN7556032
WTIP Protein (AA 1-430) (His tag)



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Overview

Quantity:	1 mg
Target:	WTIP
Protein Characteristics:	AA 1-430
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WTIP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WTIP Protein expressed in mammalian cells.
Sequence:	<p>MQRSRAGADE AALLLAGLAL RELEPGCGSP GRGRRGPRPG PGDEAAPALG RRGKGS GGPE AGADGLSRGE RGPRAAVPE LSAQPAGSPR ASLAGSDGGG GGGSARSSGI SLGYDQRHGS PRSGRSDPRP GPGPPSVGSA RSSVSSLGSR GSAGAYADFL PPGACPAPAR SPEPAGPAPF PLPALPLPPG REGGPSAAER RLEALTRELE RALEARTARD YFGICIKCGL GIYGAQQACQ AMGSLYHTDC FTCDSCGRRL RGKAFYNVGE KVYCQEDFLY SGFQQTADKC SVCGHLIMEM ILQALGKSYH PGCFRCSVCN ECLDGVPTV DVENNIYCVR DYHTVFAPKC ASCARPILPA QGCEITIRVV SMDRDYHVAC YHCEDCGLQL SGEEGRRCYP LAGHLLCRRR HLRRLQPGPL PSPTVHVTEL 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

WTIP

Alternative Name:

WTIP ([WTIP Products](#))

Background:

Wilms tumor protein 1-interacting protein (WT1-interacting protein),FUNCTION: Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, cell-cell adhesion, cell differentiation, proliferation and migration. Positively regulates microRNA (miRNA)-mediated gene silencing. Negatively regulates Hippo signaling pathway and antagonizes phosphorylation of YAP1. Acts as a transcriptional corepressor for SNAI1 and SNAI2/SLUG-dependent repression of E-cadherin transcription. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. In podocytes, may play a role in the regulation of actin dynamics and/or foot process cytoarchitecture (By similarity). In the course of podocyte injury, shuttles into the nucleus and acts as a transcription regulator that represses WT1-dependent transcription regulation, thereby translating changes in slit diaphragm structure into altered gene expression and a less differentiated phenotype. Involved

Target Details

in the organization of the basal body (By similarity). Involved in cilia growth and positioning (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:A9LS46, ECO:0000269|PubMed:20303269, ECO:0000269|PubMed:20616046, ECO:0000269|PubMed:21834987, ECO:0000269|PubMed:22286099}.

Molecular Weight: 45.1 kDa

UniProt: [A6NIX2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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