

## Product datasheet for **TP317676**

### WTIP (NM\_001080436) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human Wilms tumor 1 interacting protein (WTIP), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC217676 representing NM\_001080436

**Red**=Cloning site **Green**=Tags(s)

MQRSRAGADEAALLLAGLALRELEPGCGSPGRGRRGPRPGPGDEAAPALGRRGKGGSGPEAGADGLSRGE  
RGPRAAVPELSAQPAGSPRASLAGSDGGGGGGSARSSGISLGYDQRHGSPRSGRSDPRPGPGPPSVGSA  
RSSVSSLGSRGSAGAYADFLPPGACPARSPEPAGPAPFPLPALPLPPGREGGPSAAERRLEALTRELE  
RALEARTARDYFGICIKCGLGIYGAQQACQAMGSLYHTDCFTCDSCGRRLRGKAFYINVGEKVYCQEDFLY  
SGFQQTADKCSVCGHLIMEMILQALGKSYHPGCFRCSVCNECLDGVPTVDVENNIYCVRDYHTVFPKCA  
ASCARPILPAQGCETTIRVWSMDRDYHVACYHCEDCGLQLSGEEGRRCYPLAGHLLCRRCHLRLRQLPGPL  
PSPTVHVTEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 44.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001073905](#)



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Locus ID: 126374

UniProt ID: [A6NIX2](#)

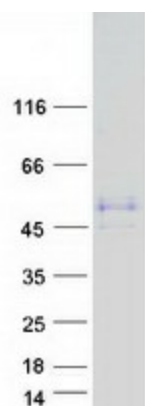
RefSeq Size: 2204

Cytogenetics: 19q13.11

RefSeq ORF: 1290

**Summary:** 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 in the organization of the basal body (By similarity). Involved in cilia growth and positioning (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified WTIP protein (Cat# TP317676). The protein was produced from HEK293T cells transfected with WTIP cDNA clone (Cat# [RC217676]) using MegaTran 2.0 (Cat# [TT210002]).