

Product datasheet for SC315757

WTIP (NM 001080436) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: WTIP (NM_001080436) Human Untagged Clone

Tag: Tag Free Symbol: WTIP

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC315757 representing NM_001080436.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGCAGCGCTCCAGGGCGGCGCGGACGAGGCGGCCCTACTCCTGGCCGGGCTGGCCCTGCGGGAGCTG GAGCCCGGGTGCGGCTCCCCGGTCGGGGCGGGCGGGGCCGGGCCTGGGCCTGGAGACGAGGCGGCG CCCGCGCTGGGCCGCAGAGGGAAGGGCAGCGGCGGCCCCGAGGCCGGGGCGGACGGACTGAGCCGCGGG GAGCGGGGTCCCCGGCGCGCGCGGTTCCGGAGCTCAGCGCGCAGCCTGCGGGCAGCCCACGGGCCAGC CTGGCGGGGTCCGACGGCGGCGGCGGTGGCGGCAGCGCCCGATCCAGCGGCATCAGCCTGGGCTACGAC CAGCGCCACGGCAGCCCGCGCTCCGGTCGCTCGGACCCGCGTCCCGGGCCGCCTTCGGTGGGC AGCGCCCGCTCCAGCGTTTCCAGCCTCGGCTCCCGGGGGCTCGGCCGCCCTACGCTGACTTCCTCCCG CTCCCGCTGCCCCTGGCCGGGAGGGCGGCCCAAGCGCGGCGAGCGGCTGGAGGCGCTCACCCGG GAGCTGGAGCGGCGCTCGAGGCGCGCACGGCGCGGGACTACTTCGGCATTTGCATCAAGTGTGGGCTT GACTCGTGTGGGAGACGACTCCGTGGGAAGGCGTTCTACAACGTGGGTGAGAAAGTGTACTGCCAGGAG GACTTCCTGTACTCCGGGTTCCAGCAGACGGCCGACAAATGCAGCGTGTGTGGACATCTCATCATGGAA ATGATCCTGCAGGCCCTGGGCAAGTCCTACCACCCAGGCTGCTTCCGGTGCTCCGTGTGCAATGAGTGC TTTGCACCAAAATGCGCCTCCTGTGCCCGTCCTATCCTCCCTGCACAGGGCTGCGAGACAACCATCCGT GTGGTGTCCATGGACAGAGACTACCACGTGGCATGTTACCACTGTGAGGACTGCGGGCTGCAGCTGAGC GGGGAGGAGGACGCCGTTGCTATCCCCTGGCGGCCACCTACTGTGTCGTCGTTGCCACCTGCGGCGC CTCCAACCTGGGCCTCTTCCCTCACCCACTGTGCACGTCACTGAGCTCTGA

ACGCGTACGCGCCCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



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Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com **ACCN:** NM 001080436

Insert Size: 1293 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a

point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative

RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning

into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001080436.1</u>

 RefSeq Size:
 2204 bp

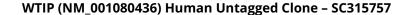
 RefSeq ORF:
 1293 bp

 Locus ID:
 126374

 UniProt ID:
 A6NIX2

Cytogenetics: 19q13.11

MW: 45.1 kDa





Gene 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]