

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 Selection:	Neomycin
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)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCGCTCCAGGGCGGGCGCGGACGAGGCGGCCCTACTCCTGGCCGGGCTGGCCCTGCGGGAGCTG
GAGCCCGGGTGGCGCTCTCCCGTTCGGGGCGGGGGCGGGGGCGCGCCCTGGGCTGGAGACGAGGCGGGC
CCCGCGCTGGGCCGACAGGGAAGGGCAGCGGGCGGCCCGAGGCCGGGGCGGACGACTGAGCCCGGGG
GAGCGGGTCCCCGGCGCGCGGGTCCGGAGCTCAGCGCGAGCCTGCGGGCAGCCACGGGCCAGC
CTGGCGGGTCCGACGGCGGGCGGTGGCGGACGCGCCGATCCAGCGGCATCAGCCTGGCTACGAC
CAGCGCCACGGCAGCCCGCTCCGGTCCGTCGGACCCCGCTCCCGTCCCGGGCCGCTCCCGTCCCGTGGC
AGCGCCCGCTCCAGCGTTTCCAGCCTCGGCTCCCGGGGCTCGGCCGGCGCCTACGCTGACTTCTCCCG
CCCGGGCCTGCCCGCGCCCGCTCGCTCCCGGAGCCTGCGGGGCGGGCTCCCTTCCCGCTGCCTGCA
CTCCCGTGCCTCCCGGGAGGGCGGCCAAGCGCGCCGAGCGGGCTGGAGGCGCTCACCCGG
GAGCTGGAGCGGGCGCTCGAGGCGCGCACGGCGGGACTACTTCGGCATTGCAATCAAGTGTGGGCTT
GGCATCTACGGAGCCAGCAGGCGTCCAGGCAATGGGGAGTCTTATCACACTGACTGCTTACCTGC
GACTCGTGTGGGAGACTCCGTGGGAAGCGTCTACAACGTGGGTGAGAAAGTACTGCCAGGAG
GACTTCTGTACTCCGGTTCAGCAGACGGCCGACAAATGCAGCGTGTGTGGACATCTCATCATGAA
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TTTGACCAAAATGCGCCTCCTGTGCCCTCTATCCTCCCTGCACAGGGCTGCGAGACAACCATCCGT
GTGGTGTCCATGGACAGAGACTACCACGTGGCATGTTACCACTGTGAGGACTGCGGGCTGCAGCTGAGC
GGGGAGGAGGGACGCCGTTGCTATCCCCTGGCGGGCCACTACTGTGTCGTGCTTCCACCTGCGGGC
CTCAACCTGGGCTCTCCCTCACCACTGTGCACGTCAGTACTGAGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	NM_001080436.1
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]