

Product datasheet for **RC217676L4V**

WTIP (NM_001080436) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: WTIP

Mammalian Cell Selection: Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001080436

ORF Size: 1290 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC217676).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_001080436.1](#)

RefSeq Size: 2204 bp

RefSeq ORF: 1293 bp

Locus ID: 126374

UniProt ID: [A6NIX2](#)

Cytogenetics: 19q13.11

MW: 44.9 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 SNAIL and SNAIL2/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]