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Product datasheet for MC212075

Wtip (NM_207212) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wtip (NM_207212) Mouse 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:	>MC212075 representing NM_207212 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGCGCTCGCGGACGGCCGCGGACGACGCGGCTCTGCTCCTGGCCGGGCTGGGCCTGCGCGAGTCGG AGCCGACCGCCGGCTCCCCAGGGCGCGTGCGGCGCGGGCCGAGGGCCGTGGACGAGGCGGCGCCAGCGTC GGGCCGCCGAGGCAAGGGTGGCTGCGGCGGCCCCGAGGCCGCGCCCGACGTCCCGAGCCGCCCCGAGCGA GGCCCGCGCGCCAGCCTCGCGGGCTCGGACGGCGGCAGCGCGCGCTCGAGCGGTATCAGCCTGGGCTATG ACCAGCGCCACGGCCCCGGCCCCGGGCCGCCGTCGGGGGGCAGCGCGCGCTCCAGCGTGTCCAGCCTGGG TTCCCGTGGCTCAGCGGGCGCCTGTGCAGACCTGCTGCCGCCCGGCGTCGGCCCGGCGCCCGCCCGCTCT CCGGAGCCTGCCCAGTTCCCCTTCCCGTTGCCGTCGCTGCCGCTGCCCCCGGGCCGGGAGGGCGGCCCGA GTGCGGCCGAGCGGCGGCTGGAGGCGCTCACGCGGGAACTGGAGCGCGCGCTCGAGGCGCGCACGGCGCG AGACTACTTTGGCATTTGTATCAAGTGTGGCCTTGGCATCTACGGAGCGAGGCAGGCGTGCCAGGCGATG GGGAGCCTGTATCACACCGACTGCTTCATCTGTGACTCCTGTGGGAGACGGCTCCGTGGGAAGGCCTTCT ATAACGTGGGTGAGAAAGTGTACTGCCAGGAGGACTTCCTGTACTCCGGGTTCCAGCAAACAGCTGACAA GTGTAGCGTGTGTGGACACCTCATCATGGAGATGATTCTGCAGGCCCTTGGCAAGTCCTACCACCCAGGC TGCTTCCGCTGCTCAGTGTGCAACGAGTGCTTGGATGGGGTTCCCTTCACTGTGGATGTGGACAACAACA TTTACTGCGTTAGAGACTATCATACGGTGTTTGCACCAAAATGTGCCTCCTGTGCCCGTCCCATCCTCCC TGCACAGGGCTGTGAGACAACCATTCGTGTGGTGTCCATGGACAGAGACTACCATGTGGAGTGTTACCAC TGTGAGGACTGTGGGCTGCAGCTGAGTGGGGAGGAGGGACGCCGCTGCTATCCCCTGGAGGGGCACCTGC TCTGCCGGCGATGCCACCTGAGGCGCCTTGGGCAGGGCCCGCTCCCCTCGCCTGCTGTGCATGTGACTGA GCTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

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ACCN:	NM_207212
Insert Size:	1197 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).
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:	NM_207212.2, NP_997095.1
RefSeq Size:	1958 bp
RefSeq ORF:	1197 bp
Locus ID:	101543
UniProt ID:	Q7TQJ8
Cytogenetics:	7 B1
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. 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]