

Product datasheet for **MC223597**

Wwc1 (NM_170779) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwc1 (NM_170779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wwc1
Synonyms:	AA408228; AU017197; BC037006; Kibra; mKIAA0869
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223597 representing NM_170779 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGCGCGGAGTTGCCCTGCCGGAGGGCTGGGAGGAGGCGCGGACTTCGACGGCAAGGTCTACT
ACATAGATCACAGGAACCGCACCACCAGCTGGATCGACCCGCGGACAGGTACACCAAACCACTCACCTT
CGCTGACTGCATCAGTGATGAGTTACCGCTGGGATGGGAAGAAGCATAACGACCCACAGGTCGGAGATTAC
TTCATAGACCACAATACCAAAACCACTCAGATCGAGGATCCAAGGTGCAATGGCGGCGGGAACAGGAGC
ACATGCTGAAGGATTACCTGGTGGTGGCTCAGGAAGCTCTGAGTGCAAAAAGGAGATCTACCAGGTGAA
GCAGCAGCGCCTGGAGCTGGCACAGCAGGAGTATCAGCAGTTGCATGCCGTCTGGGAGCATAAGCTGGGC
TCCCAGGTTAGCTTGGTCTCTGGATCCTCGTCCAGCTCCAAGTATGACCCCGAGATCCTGAAAGCTGAAA
TTGCCACTGCAAAGTCCCGGGTCAACAAGCTGAAGAGAGAGATGGTTACCTACAGCATGAGCTGCAGTT
CAAGGAGCGTGGCTTTCAGACGCTGAAGAAAATTGATGAGAGAATGTGAGACGCACAGGGTGGCTACAAA
CTGGATGAGGCCAGGCTGTGCTGAGGGAAACCAAGCCATCAAGAAAGCCATCACCTGCCGAGAAAAGG
AGAAACAAGACCTCATTAAAGAGTCTGCCATGCTGAAGGATGGCTCCGGACAGACAGAGGCTCACACTC
CGACCTATGGTCCAGCAGCAGCTCTCTGGAGAGTTCAAGCTTCCCGATGCCAAAGCAGTTCTGGACGTG
AGCTCGCAGACAGACATCTCTGGGAGTTTCAGCACCCAGCAGCAACAATCAGTTGGCCGAGAAGGTGAGT
TGCGCCTTCGGTATGAAGAGGCGAAGAGAAGGATCGCCAACCTCAAGATCCAGCTGGCCAAACTTGACAG
TGAGGCCCTGGCCTGGGGTCTAGACTCAGAGAGGGACCGACTGATCCTCATCAATGAGAAGGAGAACTT
CTGAAGGAAAATGCGCTTCATCAGCCCCGGAAAATGACCCAGGGAGAGGTGGAGCAACTGGAGATGGCCC
GGAGGCGACTTGAGAAGGACTTACAGGCAGCCCGGACACCCAGAGCAAGGCGCTGACTGAGAGGCTGAA
GTTAAATAGCAAAGAGGAACCAAGCTGGTGCAGAACTGGAGGAAGCCACTCGGCAGGTGGCTACCCTGCAC
TCCCAGTTGAAAAGCCTCTCAAGCAGCATGCAGTCCCTGTCTTCAGGCAGTAGCCCTGGGTCACTCACCT
CCAGCCGGGGCTCCCTGGCCGCCTCTAGCTGGACTCCTCCACCTCAGCCAGCTTCACTGACCTCTATTA
TGACCCGTTTCGAGCAGTTGGACTCGGAGCTCCAGAGCAAGGTGGAGCTGCTGTTCTGGAGGGTGCCACG
GGCTTCCGGCCCTCAGGCTGCATCACCACCATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGG



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GAGGCAGCCGCTGCAGGCCCTGCGCTCCCTATCTGGCACTCCAAGTCCATGACCTCCCTGTCTCCACG
 CTCATCTCTCCTCCCCATCCCCTCCCTGTTCCCTCTCATCACTGATCCCCTCCTGACTGGAGATGCC
 TTCCTGGCCCCGCTGGAGTTTGAAGACACAGAGCTGAGTACCACTCTCTGTGAGCTGAACCTCGGCGGTA
 GCGGCACCCAGGAAAGATACCGGCTGGAGGAACCAAGGACCTGAGGGCAAGCCACTGGGCCAAGCTGCAAG
 TGTGGCCCCAGGATGTGGCCTCAAAGTAGCCTGTGTGCCGTGCAGTGTCCGACGAGTCAGTAGCCGGG
 GACAGTGGCGTGTATGAGGCTTACAGCACAGAGACCAGGTACTTCTGAAGCTGCCGCATTCGACAGTATG
 AATCGGAAGCTGTGGGTGCCACTCGGGTTCAGATTGCCCTGAAATATGATGAGAAGAATAAGCAATTTGC
 AATATTAATCATTACAGTGAAGTACCTCTCTGCTGTGCTACTACAACAAGACCAGAAAGTGAACATCCGT
 GTAGCCATCCTGCCTTGCTCTGAAAGCAGCACCTGCTTGTTCAGAACCCGGCCTCTGGACTCGGCAATA
 CCCTCGTGTTCATGAGGCATTCTGGGTGCCATCTCCTACCCAGCCCTTACCAAAAAGACCTTACGAGT
 CGATGTCTGCACCACTGACAGGAGCCATACAGAGGAGTGTCTGGGAGGTGCCAGATCAGCCTGGCCGAG
 GTCTGCCGGTCTGGGAGAGGTCAACGCGCTGGTACAATCTCTGAGCTACAAATACTTGAAGAAGCAGT
 GCAGGGAGCCCCAGCCAACAGAAGCTCCAGGGCCAGACCATGTGGACGCTGTGTCTGCCTTGCTAGAACA
 GACAGCCGTGGAGCTAGAGAAGAGGCAGGAGGGAAGAAGCAGCTCCAGACGCTGGAGGGCAGCTGGACG
 TACGAGGAAGAGGCCAGCGAGAATGAGGCAGTCTGCTGAGGAGGAAGAGGGGAGAGGAAGATGTCTTCA
 CTGAAAAGGTCTCTCCGAGGCAGAGGAGTGCCAGCATTAAAGGTGGACAGAGAGACCAATACTGACAG
 CGTGGCCCCATCCCCACAGTGGTGCGCCCTAAGGACCGAGGGTGGGTGCCCCGTCGACAGGGCCATTT
 CTTGAGGGAATACCATCATCCGCTCCAAGACCTTCTCGCTGGACCCAGAGCCAGTATGTGTGTCCGGC
 TAAACCGCAGTGACAGTATAGTTCTACGCTGTCCAAGAAGCCACCTTTTGTGCGAAACTCCCTGGAGCG
 GCGCAGCGTCAGGATGAAGCGGCCTTCTCCGTCAAGTCCCTGCGCACAGAGCGTCTGATCCGCACCTCG
 CTGGACCTAGAACTCGACCTGCAGGCCACGAGGACCTGGCACAGCCAGCTGACTCAGGAGATCTCAGTGC
 TGAAGGAGCTGAAGGAGCATTGGAGCAAGCCAAGAACCAGGGGAGAAGGAGCTGCCACAGTGGCTGCC
 TGAAGACGAGCGCTTCCGCTTGGTACTGAGGATGCTGGAGAAGAAGGTGGATCGTGGGGAGCACAAGAGT
 GAGTTGCAAGCCGACAAGATGATGAGAGCTGCTGCCAAGGATGTGCACAGGCTTCGAGGCCAGAGCTGTA
 AGGAGCCCCAGAAAGTGCAGTCTTTCAGGGAGAAAATGGCATTTCACCCGGCCTCGGATGAACATCCC
 AGCTCTCTGCAGATGACGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_170779
- Insert Size:** 3315 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_170779.1](#), [NP_740749.1](#)

RefSeq Size: 3315 bp

RefSeq ORF: 3315 bp

Locus ID: 211652

UniProt ID: [Q5SXA9](#)

Cytogenetics: 11 A4

Gene Summary: Probable regulator of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway, a signaling pathway that plays a pivotal role in tumor suppression by restricting proliferation and promoting apoptosis. Along with NF2 can synergistically induce the phosphorylation of LATS1 and LATS2 and can probably function in the regulation of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway. Acts as a transcriptional coactivator of ESR1 which plays an essential role in DYNLL1-mediated ESR1 transactivation. Regulates collagen-stimulated activation of the ERK/MAPK cascade. Modulates directional migration of podocytes. Acts as a substrate for PRKCZ and may be associated with memory performance (By similarity). Regulates collagen-stimulated activation of the ERK/MAPK cascade.[UniProtKB/Swiss-Prot Function]