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# 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 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC223597 representing NM_170779
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCCGGCCGGAGTTGCCCCTGCCGGAGGGCTGGGAGGAGGCGCGCGACTTCGACGGCAAGGTCTACT
ACATAGATCACAGGAACCGCACCACCAGCTGGATCGACCCGCGGGACAGGTACACCAAACCACTCACCTT
CGCTGACTGCATCAGTGATGAGTTACCGCTGGGATGGGAAGAAGCATACGACCCACAGGTCGGAGATTAC
TTCATAGACCACAATACCAAAACCACTCAGATCGAGGATCCAAGGGTGCAATGGCGGCGGGAACAGGAGC
ACATGCTGAAGGATTACCTGGTGGTGGCTCAGGAAGCTCTGAGTGCACAAAAGGAGATCTACCAGGTGAA
GCAGCAGCGCCTGGAGCTGGCACAGCAGGAGTATCAGCAGTTGCATGCCGTCTGGGAGCATAAGCTGGGC
TCCCAGGTTAGCTTGGTCTCTGGATCCTCGTCCAGCTCCAAGTATGACCCCGAGATCCTGAAAGCTGAAA
TTGCCACTGCAAAGTCCCGGGTCAACAAGCTGAAGAGAGAGATGGTTCACCTACAGCATGAGCTGCAGTT
CAAGGAGCGTGGCTTTCAGACGCTGAAGAAAATTGATGAGAGAATGTCAGACGCACAGGGTGGCTACAAA
CTGGATGAGGCCCAGGCTGTGCTGAGGGAAACCAAAGCCATCAAGAAAGCCATCACCTGCGGAGAAAAGG
AGAAACAAGACCTCATTAAGAGTCTCGCCATGCTGAAGGATGGCTTCCGGACAGACAGAGGGTCACACTC
CGACCTATGGTCCAGCAGCAGCTCTCTGGAGAGTTCAAGCTTCCCGATGCCAAAGCAGTTCCTGGACGTG
AGCTCGCAGACAGACATCTCTGGGAGTTTCAGCACCAGCAGCAACAATCAGTTGGCCGAGAAGGTCAGAT
TGCGCCTTCGGTATGAAGAGGCGAAGAGAAGGATCGCCAACCTCAAGATCCAGCTGGCCAAACTTGACAG
TGAGGCCTGGCCTGGGGTGCTAGACTCAGAGAGGGACCGACTGATCCTCATCAATGAGAAGGAGGAACTT
CTGAAGGAAATGCGCTTCATCAGCCCCCGGAAATGGACCCAGGGAGAGGTGGAGCAACTGGAGATGGCCC
GGAGGCGACTTGAGAAGGACTTACAGGCAGCCCGGGACACCCAGAGCAAGGCGCTGACTGAGAGGCTGAA
GTTAAATAGCAAGAGGAACCAGCTGGTGCGAGAACTGGAGGAAGCCACTCGGCAGGTGGCTACCCTGCAC
TCCCAGTTGAAAAGCCTCTCAAGCAGCATGCAGTCCCTGTCTTCAGGCAGTAGCCCTGGGTCACTCACCT
CCAGCCGGGGCTCCCTGGCCGCCTCTAGCCTGGACTCCTCCACCTCAGCCAGCTTCACTGACCTCTATTA
TGACCCGTTCGAGCAGTTGGACTCGGAGCTCCAGAGCAAGGTGGAGCTGCTGTTCCTGGAGGGTGCCACG
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GGCTTCCGGCCCTCAGGCTGCATCACCACCATCCACGAGGATGAGGTGGCCAAGACCCAGAAGGCAGAGG
GAGGCAGCCGCCTGCAGGCCCTGCGCTCCCTATCTGGCACTCCAAGGTCCATGACCTCCCTGTCTCCACG
CTCATCTCTCTCCTCCCCATCCCCTCCCTGTTCCCCTCTCATCACTGATCCCCTCCTGACTGGAGATGCC
TTCCTGGCCCCGCTGGAGTTTGAAGACACAGAGCTGAGTACCACTCTCTGTGAGCTGAACCTCGGCGGTA
GCGGCACCCAGGAAAGATACCGGCTGGAGGAACCAGGACCTGAGGGCAAGCCACTGGGCCAAGCTGCAAG
TGTGGCCCCAGGATGTGGCCTCAAAGTAGCCTGTGTGTCCGCTGCAGTGTCCGACGAGTCAGTAGCCGGG
GACAGTGGCGTGTATGAGGCTTCAGCACAGAGACCAGGTACTTCTGAAGCTGCCGCATTCGACAGTGATG
AATCGGAAGCTGTGGGTGCCACTCGGGTTCAGATTGCCCTGAAATATGATGAGAAGAATAAGCAATTTGC
AATATTAATCATTCAGCTGAGTCACCTCTCTGCTCTGTCACTACAACAAGACCAGAAAGTGAACATCCGT
GTAGCCATCCTGCCTTGCTCTGAAAGCAGCACCTGCTTGTTCAGAACCCGGCCTCTGGACTCGGCAAATA
CCCTCGTGTTCAATGAGGCATTCTGGGTGTCCATCTCCTACCCAGCCCTTCACCAAAAGACCTTACGAGT
CGATGTCTGCACCACTGACAGGAGCCATACAGAGGAGTGTCTGGGAGGTGCCCAGATCAGCCTGGCCGAG
GTCTGCCGGTCTGGGGAGAGGTCAACGCGCTGGTACAATCTCCTGAGCTACAAATACTTGAAGAAGCAGT
GCAGGGAGCCCCAGCCAACAGAAGCTCCAGGGCCAGACCATGTGGACGCTGTGTCTGCCTTGCTAGAACA
GACAGCCGTGGAGCTAGAGAAGAGGCAGGAGGGAAGAAGCAGCTCCCAGACGCTGGAGGGCAGCTGGACG
TACGAGGAAGAGGCCAGCGAGAATGAGGCAGTCGCTGAGGAGGAAGAGGAGGGAGAGGAAGATGTCTTCA
CTGAAAAGGTCTCTCCCGAGGCAGAGGAGTGCCCAGCATTAAAGGTGGACAGAGAGACCAATACTGACAG
CGTGGCCCCATCCCCCACAGTGGTGCGCCCTAAGGACCGGAGGGTGGGTGCCCCGTCGACAGGGCCATTT
CTTCGAGGGAATACCATCATCCGCTCCAAGACCTTCTCGCCTGGACCCCAGAGCCAGTATGTGTGTCGGC
TAAACCGCAGTGACAGTGATAGTTCTACGCTGTCCAAGAAGCCACCTTTTGTGCGAAACTCCCTGGAGCG
GCGCAGCGTCAGGATGAAGCGGCCTTCCTCCGTCAAGTCCCTGCGCACAGAGCGTCTGATCCGCACCTCG
CTGGACCTAGAACTCGACCTGCAGGCCACGAGGACCTGGCACAGCCAGCTGACTCAGGAGATCTCAGTGC
TGAAGGAGCTGAAGGAGCATTTGGAGCAAGCCAAGAACCACGGGGAGAAGGAGCTGCCACAGTGGCTGCG
TGAAGACGAGCGCTTCCGCTTGCTACTGAGGATGCTGGAGAAGAAGGTGGATCGTGGGGAGCACAAGAGT
GAGTTGCAAGCCGACAAGATGATGAGAGCTGCTGCCAAGGATGTGCACAGGCTTCGAGGCCAGAGCTGTA
AGGAGCCCCCAGAAGTGCAGTCTTTCAGGGAGAAAATGGCATTTTTCACCCGGCCTCGGATGAACATCCC
AGCTCTCTCTGCAGATGACGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-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.

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| | |
|---|---|
| **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] |

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