

## Product datasheet for **MR209954**

### Wwc1 (BC037006) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wwc1 (BC037006) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wwc1
Synonyms:	MGC47054, mKIAA0869, RP23-196B5.5, Kibra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR209954 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGTCCCTGTCTTCAGGCAGTAGCCCTGGGTCACTCACCTCCAGCCGGGGCTCCCTGGCCGCCTCTA  
 GCCTGGACTCCTCCACCTCAGCCAGCTTCACTGACCTCTATTATGACCCGTTTCGAGCAGTTGGACTCGGA  
 GCTCCAGAGCAAGGTGGAGCTGTCTTCTGGAGGGTGCACGGGCTTCCGGCCCTCAGGCTGCATCACC  
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 GCTGCTGCCAAGGATGTGCACAGGCTTCGAGGCCAGAGCTGTAAGGAGCCCCAGAAGTGCAGTCTTTCA  
 GGGAGAAAATGGCATTTCACCCGGCCTCGGATGAACATCCCAGCTCTCTGTCAGATGACGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209954 protein sequence  
Red=Cloning site Green=Tags(s)

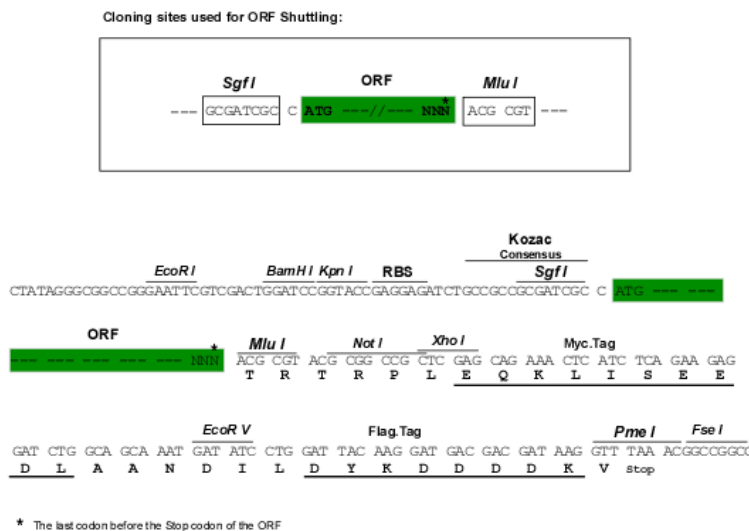
MQSLSSGSSPGSLTSSRGLAASSLDSSTASFTDLYDPFEQLDSELQSKVELLFLEGATGFRPSSGCIT  
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 QRPGTSEAAAFDSDESEAVGATRVQIALKYDEKNKQFAILIIQLSHLSALSLLQQDQKVNIRVAILPCSES  
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 RWYNLLSYKYLKKQCREPQTEAPGPDHVDVAVSALLEQTAVELEKRQEGRSSSQTLEGSWTYEEEESENE  
 AVAEIEEEEGEEDVFTEKVSPEAECEPALKVDRETNTDSVAPSPTVVRPKDRRVGAPSTGPFLRGNTIIRS  
 KTFSPGPQSQYVCRNLNRSDSDSSTLTKKPPFVRNSLERRSVRMKRPSSVKSLRTERLIRTSLDLELDLQA  
 TRTWHSQLTQEISVLKELKEHLEQAKNHGEKELPQWLREDERFRLLLRLMLEKKVDRGEHKSELQADKMMR  
 AAKADVHRLRGQSCKEPPEVQSFREKMAFFTRPRMNIPALSADDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** BC037006

**ORF Size:** 2025 bp

**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.

**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:** [BC037006](#), [AAH37006](#)

**RefSeq Size:** 2583 bp

**RefSeq ORF:** 2027 bp

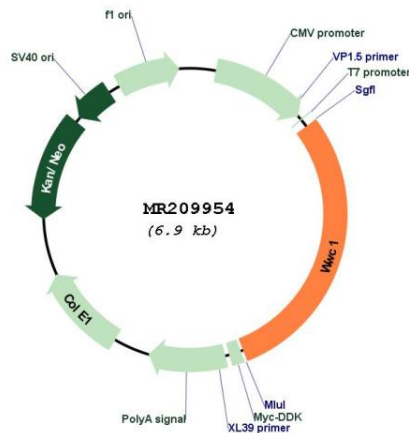
**Locus ID:** 211652

**Cytogenetics:** 11 A4

**MW:** 74.3 kDa

**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]

**Product images:**



Circular map for MR209954