

Product datasheet for **MG209954**

Wwc1 (BC037006) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Wwc1 (BC037006) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Wwc1 |
| Synonyms: | MGC47054, mKIAA0869, RP23-196B5.5, Kibra |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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**ORF Nucleotide
Sequence:**

>MG209954 representing BC037006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGTCCCTGTCTTCAGGCAGTAGCCCTGGGTCACTCACCTCCAGCCGGGGCTCCCTGGCCGCCTCTA
 GCCTGGACTCCTCCACCTCAGCCAGCTTCACTGACCTCTATTATGACCCGTTTCGAGCAGTTGGACTCGGA
 GCTCCAGAGCAAGGTGGAGCTGTCTTCTGGAGGGTGCACGGGCTTCCGGCCCTCAGGCTGCATCACC
 ACCATCCACGAGGATGAGGTGGCCAAGACCAGAAGGCAGAGGGAGGCAGCCGCCTGCAGGCCCTGCGCT
 CCCTATCTGGCACTCCAAGGTCCATGACCTCCCTGTCTCCAGCTCATCTCTCTCTCCCATCCCTCC
 CTGTTCCCTCTCATCACTGATCCCTCCTGACTGGAGATGCCTTCTGGCCCCGCTGGAGTTTGAAGAC
 ACAGAGCTGAGTACCCTCTCTGTGAGCTGAACCTCGGCGGTAGCGGCACCCAGGAAAGATACCGGCTGG
 AGGAACCAGGACCTGAGGGCAAGCCACTGGCCAAGCTGCAAGTGTGGCCCAGGATGTGGCCTCAAAGT
 AGCCTGTGTGTCGCTGCAGTGTCCGACGAGTCAGTAGCCGGGGACAGTGGCGTGTATGAGGCTTACGA
 CAGAGACCAGGTAATTCTGAAGCTGCCGATTCGACAGTATGAATCGGAAGCTGTGGGTGCCACTCGGG
 TTCAGATTGCCCTGAAATATGATGAGAAGAATAAGCAATTTGCAATATTATCATTACAGCTGAGTACCT
 CTCTGCTCTGCTACTACAACAAGACCAGAAAGTGAACATCCGTGTAGCCATCCTGCCTTGTCTGAAAGC
 AGCACCTGCTTGTTCAGAACCCGGCCTCTGGACTCGGCAATACCTCGTGTTCATGAGGCATTCTGGG
 TGTCCATCTCCTACCCAGCCCTTACCAAAAGACCTTACGAGTCGATGTCTGCACCCTGACAGGAGCCA
 TACAGAGGAGTGTCTGGGAGGTGCCAGATCAGCCTGGCCGAGGTCTGCCGGTCTGGGGAGAGGTCAACG
 CGCTGGTACAATCTCCTGAGCTACAAACTTGAAGAAGCAGTGCAGGGAGCCCCAGCCAACAGAAGCTC
 CAGGGCCAGACCATGTGGACGCTGTGTCTGCCTTGTCTAGAACAGACAGCCGTGGAGTAGAGAAGAGGCA
 GGAGGGAAGAAGCAGCTCCAGACGCTGGAGGGCAGCTGGACGTACGAGGAAGAGGCCAGCGAGAATGAG
 GCAGTCGCTGAGGAGGAAGAGGAGGGAGAGGAAGATGTCTTCACTGAAAAGGTCTCTCCCGAGGCAGAGG
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 CCCTAAGGACCGGAGGGTGGGTGCCCGTGCAGAGGCCATTTCTTCGAGGGAATACCATCATCCGCTCC
 AAGACCTTCTCGCTGGACCCAGAGCCAGTATGTGTGTCGGCTAAACCGCAGTGCAGTGTAGTTCTA
 CGCTGTCCAAGAAGCCACCTTTTGTGCGAACTCCCTGGAGCGGCGCAGCGTCAGGATGAAGCGGCCTT
 CTCCGTCAAGTCCCTGCGCACAGAGCGTCTGATCCGCACCTCGTGGACCTAGAACTCGACTGCAGGCC
 ACGAGGACCTGGCACAGCCAGCTGACTCAGGAGATCTCAGTGTGAAGGAGCTGAAGGAGCATTGGAGC
 AAGCCAAGAACCACGGGAGAAGGAGCTGCCACAGTGGCTGCGTGAAGACGAGCGCTTCCGCTTGTACT
 GAGGATGTGGAGAAGAAGGTGGATCGTGGGGAGCACAAGAGTGAAGTGAAGCCGACAAGATGATGAGA
 GCTGCTGCCAAGGATGTGCACAGGCTTCGAGGCCAGAGCTGAAGGAGCCCCAGAAGTGCAGTCTTTCA
 GGGAGAAAATGGCATTTCACCCGGCCTCGGATGAACATCCCAGCTCTCTGTCAGATGACGTC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209954 representing BC037006
 Red=Cloning site Green=Tags(s)

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MQSLSSGSSPGSLTSSRGLAASSLDSSTASFTDLYYDPFEQLDSELQSKVELLFLEGATGFRPSGCIT
TIHEDEVAKTQKAEGGSRLQALRSLSGTPRSMSTLSPRSSLSSPSPPCSPLITDPLLTGDAFLAPLEFED
TELSTTLCELNLGGSGTQERYRLEEPGPEGKPLGQAASVAPGCGLKVACVSAAVSDESVAAGDSGVYEASA
QRPGTSEAAAFDSDESEAVGATRVQIALKYDEKNKQFALIIQLSHLSALSLLQQDQKVNIRVAILPCSES
STCLFRTRPLDSANTLVFNEAFWVVISYPALHQKTLRVDVCTTDRSHTEECLGGAQISLAEVCRSGERST
RWYNLLSYKYLKKQCREPQTEAPGPDHVDVAVSALLEQTAVELEKRQEGRSSQTLEGSWYEEEESENE
AVAEIEEEEGEEDVFTEKVSPEAECEPALKVDRETNTDSVAPSPTVVRPKDRRVGAPSTGPFRLGNTIIRS
KTFSPGPQSQYVCRNLNRSDSDSSTLTKKPPFVRNSLERRSVRMKRPSSVKSLRTERLIRTSLDLELDLQA
TRTWHSQLTQEISVLKELKEHLEQAKNHGEKELPQWLREDERFRLLLRLMLEKKVDRGEHKSELQADKMMR
AAAKDVHRLRGQSCKEPPEVQSFREKMAFFTRPRMNIPALSADDV
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC037006

ORF Size: 2027 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

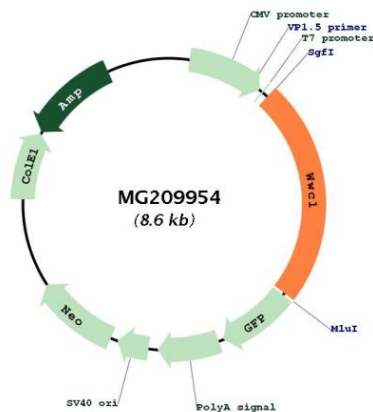
RefSeq ORF: 2027 bp

Locus ID: 211652

Cytogenetics: 11 A4

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 MG209954