

## Product datasheet for **MG206189**

### **Wwtr1 (NM\_133784) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wwtr1 (NM\_133784) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Wwtr1  
**Synonyms:** 2310058J06Rik; 2610021I22Rik; C78399; TA; Taz  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206189 representing NM\_133784  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATCCGTCCTCGGTGCCCATCCGCTCCCGCCAGGGCAGCAAGTCATCCACGTCACGCAGGACC  
TGGACACCGACCTCGAAGCCCTTTCAACTCTGTCATGAACCCCAAGCCAGCTCATGGCGGAAAAAGAT  
CCTCCCGAGTCTTTCTTAAGGAGCCGATTCCGGCTCGCACTCGGCCAATCCAGCACAGACTCATCA  
GGCGGCCACCCGGGGCTCGACTAGCTGGCGGCGCGCAGCACGTCGGCTCGCACTCGTCCGCCATCCC  
TGCAGCTGGGCACCGGTGCGGGAGCCGCTGGAGGCCCTGCACAGCAGCATGCACATCTCCGCCAGCAGTC  
CTATGACGTGACCGACGAGCTGCCGTTGCCCCCGGGTGGGAGATGACCTTCACGGCCACTGGCCAGAGA  
TACTTCCTTAATCACATAGAGAAAATCACCATGGCAAGACCCAGGAAGGTGATGAATCAGCCTCTGA  
ATCATGTGAACCTCCACCCGTCCATCACTTCCACCTCGGTGCCACAGAGGTCCATGGCAGTGTCCCAGCC  
GAATCTCGCAATGAATCACCAACACCAGCAAGTCGTGGCCACTAGCCTGAGTCCACAGAACCACCCGACT  
CAGAACCAACCCACAGGGCTCATGAGTGTGCCAATGCACTGACCACTCAGCAGCAGCAGCAGAGAAAC  
TGCGGCTTCAGAGGATCCAGATGGAGAGAGAGAGGATTAGGATGCGTCAAGAGGAGCTCATGAGGCAGGA  
AGCTGCCCTCTGCCGACAGCTCCCATGGAAACCGAGACCATGGCCCTGTCAACACGCCCTGCCATGAGC  
ACAGATATGAGATCTGTACCAACAGTAGCTCAGATCCTTTCTCAATGGAGGGCCCTATCATTACCGGG  
AGCAGACACAGACAGTGGCTGGGGTTAGGGTGTACAGTGTCCACAACTCCAGAAGACTTCCCTCAG  
CAACATGGACGAGATGGATACAGGTGAAAATTCGGTCCAGACACCCATGACCGTCAATCCCAGCAGACC  
CGCTTCCCTGATTTCTGGACTGCCTTCCAGGAACAAATGTTGACCTCGGGACTTTGGAGTCTGAAGATC  
TGATCCCTCTTCAATGATGTAGAGTCTGCTCTGAACAAAAGCGAGCCCTTTCTAACCTGGCTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206189 representing NM\_133784  
 Red=Cloning site Green=Tags(s)

MNPSSVPHPLPPPQQVIHVTQDLDTDLEALFNSVMNPKPSSWRKKILPESFFKEPDSGSHSRQSSTDSS  
 GGHPGPRLAGGAQHVRSHSPASLQLGTGAGAAGGPAQQHAHLRQQSYDVTDELPLPGWEMFTATGQR  
 YFLNHIEKITTWQDPRKVMNQPLNHNHLSITSTVSPQRSMVSPQNLAMNHQHQQVVATSLSPQNHPT  
 QNQPTGLMSVPNALTTQQQQQKLRLQRIQMERERIRMRQEELMRQEAALCRQLPMETETMAPVNTPAMS  
 TDMRSVTNSSDPFLNGGPHYHSREQSTDSGLGLGCYSVPTTPEDFLSNMDEMGTGENSGQTPMTVNPQQT  
 RFPDFLDCLPGTNVDLGTLESEDLIPLFNDVESALNKSEPFLTWL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133784

**ORF Size:** 1185 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:** [NM\\_133784.3](#)

**RefSeq Size:** 4745 bp

**RefSeq ORF:** 1188 bp

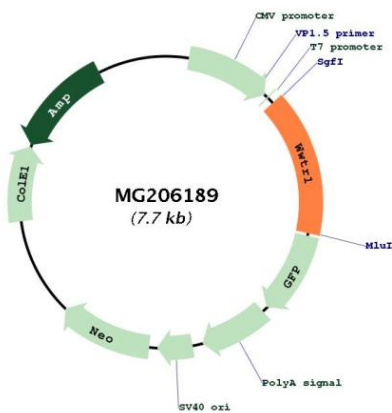
**Locus ID:** 97064

**UniProt ID:** [Q9EPK5](#)

**Cytogenetics:** 3 D

**Gene Summary:** This gene encodes a binding protein of the 14-3-3 family of proteins that regulate cell cycle progression, differentiation and apoptosis. The encoded protein is a transcriptional co-activator that binds to the PPXY motif present on transcription factors. The gene product contains a WW domain and, in the C-terminus, a conserved PDZ-binding motif. This gene is distinct from the gene encoding tafazzin. Both genes share the gene symbol Taz. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]

**Product images:**



Circular map for MG206189