

## Product datasheet for **SC328639**

### TAZ (WWTR1) (NM\_001168278) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAZ (WWTR1) (NM_001168278) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAZ
Synonyms:	TAZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168278, the custom clone sequence may differ by one or more nucleotides

```
ATGAATCCGGCCTCGGCGCCCTCCGCTCCCGCCGCTGGGCAGCAAGTGATCCACGTACGCAGGACC
TAGACACAGACCTCGAAGCCCTCTCAACTCTGTGATGAATCCGAAGCCTAGCTCGTGGCGGAAGAAGAT
CCTGCGGAGTCTTTCTTAAGGAGCCTGATTCGGGCTCGCACTCGCGCCAGTCCAGCACCGACTCGTCG
GGCGGCCACCCGGGGCTCGACTGGCTGGGGGTGCCAGCATGTCGCTCGCACTCGTCCCGCGTCCC
TGCAGTGGGCACCGCGCGGGTGTGCGGGTAGCCCCGCGCAGCAGCACGCGCACCTCCGCCAGCAGTC
CTACGACGTGACCGACGAGCTGCCACTGCCCGGGCTGGGAGATGACCTTCACGGCCACTGGCCAGAGG
TACTTCCTCAATCACATAGAAAAATCACCACATGGCAAGACCCTAGGAAGGCGATGAATCAGCCTCTGA
ATCATATGAACCTCCACCCTGCGGTGAGTTCACACCAGTGCCTCAGAGGTCCATGGCAGTATCCCAGCC
AAATCTCGTGATGAATACCAACACCAGCAGCAGATGGCCCCAGTACCCTGAGCCAGCAGAACCACCCC
ACTCAGAACCCACCCGAGGGCTCATGAGTATGCCCAATGCGCTGACCACTCAGCAGCAGCAGCAGAGA
AACTGCGGCTTCAGAGAAATCCAGATGGAGAGAGAAAGGATTGCAATGCGCCAAGAGGAGCTCATGAGGCA
GGAAGCTGCCCTGTGACAGCTCCCATGGAAGCTGAGACTCTTGCCCCAGTTCAGGCTGTGTCAAC
CCACCCACGATGACCCAGACATGAGATCCATCACTAATAATAGCTCAGATCCTTTCTCAATGGAGGGC
CATATCATTGAGGGAGCAGAGCACTGACAGTGGCCTGGGGTTAGGGTGTACAGTGTCCCACAACCTCC
GGAGACTTCCTCAGCAATGTGGATGAGATGGATACAGGAGAAAACGCAGGACAAAACCCATGAACATC
AATCCCCAACAGACCCGTTTCCCTGATTTCCCTTGACTGTCTCCAGGAACAAACGTTGACTTAGGAACTT
TGGAACTGAAGACCTGATCCCCCTCTCAATGATGTAGAGTCTGCTCTGAACAAAAGTGAGCCCTTTCT
AACCTGGCTGTAA
```

Restriction Sites:	Please inquire
ACCN:	NM_001168278



[View online »](#)

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<p><a href="#">NM_001168278.1</a>, <a href="#">NP_001161750.1</a></p>
<b>RefSeq Size:</b>	<p>5052 bp</p>
<b>RefSeq ORF:</b>	<p>1203 bp</p>
<b>Locus ID:</b>	<p>25937</p>
<b>UniProt ID:</b>	<p><a href="#">Q9GZV5</a></p>
<b>Cytogenetics:</b>	<p>3q25.1</p>
<b>Protein Families:</b>	<p>Druggable Genome, Transcription Factors</p>

**Gene Summary:**

Transcriptional coactivator which acts as a downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation. Regulates the nuclear accumulation of SMADS and has a key role in coupling them to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 4. Variants 1 through 4 all encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.