

## Product datasheet for **SC328640**

### TAZ (WWTR1) (NM\_001168280) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAZ (WWTR1) (NM_001168280) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAZ
Synonyms:	TAZ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001168280, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAATCCGGCCTCGGCGCCCCCTCCGCTCCCGCCGCTGGGCAGCAAGTGATCCACGTC ACGCAGGACCTAGACACAGACCTCGAAGCCCTCTCAACTCTGTGATGAATCCGAAGCCT AGCTCGTGGCGGAAGAAGATCCTGCCGAGTCTTTCTTTAAGGAGCCTGATTTCGGGCTCG CACTCGCGCCAGTCCAGCACCGACTCGTCGGGCGGCCACCCGGGGCCTCGACTGGCTGGG GGTGCCAGCATGTCCGCTCGCACTCGTCGCGCCGCTCCCTGCAGCTGGGCACCGCGCGG GGTGCTGCGGGTAGCCCCGCGCAGCAGCACGCGCACCTCCGCCAGCAGTCTACGACGTG ACCGACGAGTGCCTACTGCCCCGGGCTGGGAGATGACCTTCACGGCCACTGGCCAGAGG TACTTCTCAATCACATAGAAAAATCACCACATGGCAAGACCCTAGGAAGGCGATGAAT CAGCCTCTGAATCATATGAACCTCCACCCTGCCGTGAGTCCACACCAGTGCCTCAGAGG TCCATGGCAGTATCCAGCCAAATCTCGTGATGAATCACCAACACCAGCAGCAGATGGCC CCCAGTACCCTGAGCCAGCAGAACCACCCCACTCAGAACCACCCGCAGGGCTCATGAGT ATGCCCAATGCGCTGACCACTCAGCAGCAGCAGCAGCAGAACTGCGGCTTCAGAGAATC CAGATGGAGAGAGAAAGGATTGGAATGCGCCAAGAGGAGCTCATGAGGCAGGAAGCTGCC CTCTGTCGACAGTCCCCATGGAAGCTGAGACTCTTGCCCAAGTTCAGGCTGCTGTCAAC CCACCCACGATGACCCAGACATGAGATCCATCACTAATAATAGCTCAGATCCTTTCTC AATGGAGGGCCATATCATTGAGGGAGCAGAGCACTGACAGTGGCCTGGGGTTAGGGTGC TACAGTGTCCCCACAACCTCCGGAGGACTTCCTCAGCAATGTGGATGAGATGGATACAGGA GAAAACGCAGGACAAACACCCATGAACATCAATCCCCAACAGACCGTTTCCCTGATTC CTTGACTGTCTTCCAGGAACAAACGTTGACTTAGGAACTTTGAATCTGAAGACCTGATC CCCCTCTCAATGATGTAGAGTCTGCTCTGAACAAAGTGAGCCCTTTCTAACCTGGCTG TAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001168280



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<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>	<u>NM_001168280.1, NP_001161752.1</u>
<b>RefSeq Size:</b>	4999 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	25937
<b>UniProt ID:</b>	<u>Q9GZV5</u>
<b>Cytogenetics:</b>	3q25.1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) 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.</p>