

Product datasheet for RC230002

TAZ (WWTR1) (NM_001168280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAZ (WWTR1) (NM_001168280) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAZ
Synonyms:	TAZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230002 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCCGGCCTCGGCGCCCCCTCCGCTCCCGCCGCTGGGCAGCAAGTGATCCACGTACGCAGGACC
TAGACACAGACCTCGAAGCCCTTTCAACTCTGTCATGAATCCGAAGCCTAGCTCGTGCCGAAGAAGAT
CCTGCCGAGTCTTTCTTAAGGAGCCTGATTCGGGCTCGCACTCGGCCAGTCCAGCACCGACTCGTCG
GGCGGCCACCCGGGGCCTCGACTGGCTGGGGGTGCCAGCATGTCGGCTCGCACTCGTCCCGCGTCCC
TGCAGCTGGGCACCGGCGGGTCTGCGGGTAGCCCCGCGCAGCAGCACGCGCACCTCCGCCAGCAGTC
CTACGAGTGACCGACGAGCTGCCACTGCCCCCGGGCTGGGAGATGACCTTCACGGCCACTGGCCAGAGG
TACTTCCTCAATCACATAGAAAAATCACACATGGCAAGACCCTAGGAAGGCGATGAATCAGCCTCTGA
ATCATATGAACCTCCACCTGCCGTGAGTTCACACCAAGTGCCTCAGAGGTCCATGGCAGTATCCCAGCC
AAATCTCGTGATGAATCACCAACACCAGCAGCAGATGGCCCCAGTACCCTGAGCCAGCAGAACCACCC
ACTCAGAACCCACCCGAGGGCTCATGAGTATGCCCAATGCGCTGACCACTCAGCAGCAGCAGCAGAGA
AACTGCGGCTTCAGAGAATCCAGATGGAGAGAGAAAGGATTGCAATGCGCAAGAGGAGCTCATGAGGCA
GGAAGCTGCCCTCTGTCGACAGCTCCCCATGGAAGCTGAGACTCTGCCCCAGTTCAGGCTGCTGTCAAC
CCACCCACGATGACCCAGACATGAGATCCATCACTAATAATAGCTCAGATCCTTTCTCAATGGAGGGC
CATATCATTGAGGGAGCAGAGCACTGACAGTGGCCTGGGGTTAGGGTGCTACAGTGTCCCAACTCC
GGAGGACTTCTCAGCAATGTGGATGAGATGGATACAGGAGAAAACGAGGACAAACACCCATGAACATC
AATCCCCAACAGACCCGTTTCCCTGATTTCTTGACTGTCTTCCAGGAACAAACGTTGACTTAGGAACTT
TGAATCTGAAGACCTGATCCCCCTCTCAATGATGTAGAGTCTGCTCTGAACAAAAGTGAAGCCCTTCT
AACCTGGCTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001168280.3](#)

RefSeq Size: 4999 bp

RefSeq ORF: 1203 bp

Locus ID: 25937

UniProt ID: [Q9GZV5](#)

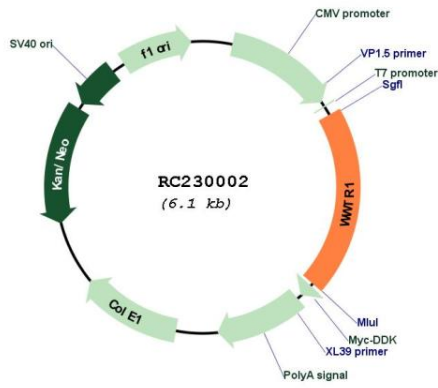
Cytogenetics: 3q25.1

Protein Families: Druggable Genome, Transcription Factors

MW: 44.1 kDa

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]

Product images:



Circular map for RC230002