

## Product datasheet for PH304082

### TAZ (WWTR1) (NM\_015472) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	WWTR1 MS Standard C13 and N15-labeled recombinant protein (NP_056287)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204082
Predicted MW:	44.1 kDa
Protein Sequence:	>RC204082 protein sequence Red=Cloning site Green=Tags(s)

MNPASAPPLPPPGQQVIHVTQDLDTDLEALFNSVMNPKPSSWRKKILPESFFKEPDSGSHSRQSSTDSS  
GGHPGPRLAGGAQHVRSHSSPASLQLGTGAGAAGSPAQQHAHLRQQSYDVTDELPLPPGWEMTFTATGQR  
YFLNHIEKITTWQDPRKAMNQLNHNMLHPAVSSTPVPQRSMAVSQPNLVMNHQHQQMAPSTLSQQNHP  
TQNPPAGLMSMPNALTTQQQQQKLRRLQRIQMERERIRMRQEELMRQEAALCRQLPMEAETLAPVQAAVN  
PPTMTPDMSITNNSDPFLNGGPYHSREQSTDSGLGLGCYSVPTTPEDFLSNVDEMDTGENAGQTPMNI  
NPQQTRFPDFLDCLPGTNVDLGTLESEDLIPLFNDVESALNKSEPFLLTWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_056287</a></u>
RefSeq Size:	5135
RefSeq ORF:	1200
Synonyms:	TAZ
Locus ID:	25937



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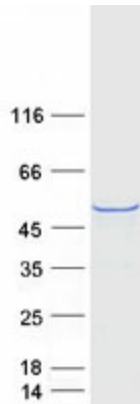
UniProt ID: [Q9GZV5](#)

Cytogenetics: 3q25.1

**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]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified WWTR1 protein (Cat# [TP304082]). The protein was produced from HEK293T cells transfected with WWTR1 cDNA clone (Cat# [RC204082]) using MegaTran 2.0 (Cat# [TT210002]).