

Product datasheet for **AR51300PU-N**

WWTR1 / TAZ (1-400, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	WWTR1 / TAZ (1-400, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMNPASAP PPLPPPQQV IHVTQDLDTD LEALFNSVMN PKPSSWRKKI LPESFFKEPD SGSHSRQSST DSSGGHPGPR LAGGAQHVRV HSSPASLQLG TGAGAAGSPA QQHAHLRQQS YDVTDELPLP PGWEMTFTAT GQRYFLNHIE KITTWQDPRK AMNQPLNHMN LHPAVSSTPV QRSMVAVSQP NLVMNHQHQQ QMAPSTLSQQ NHPTQNPPAG LMSMPNALTT QQQQQQLRL QRIQMERERI RMRQEELMRQ EAALCRQLPM EAETLAPVQA AVNPPTMTPD MRSITNNSSD PFLNGGPYHS REQSTDSGLG LGCYSVPTTP EDFLSNVDEM DTGENAGQTP MNINPQQTRF PDFLDCLPGT NVDLGTLESE DLIPLFNDVE SALNKSEPFL TWL
Tag:	His-tag
Predicted MW:	46.5 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human WWTR1 protein, fused to His-tag at N-terminus, was expressed in E.coli .
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001161750
Locus ID:	25937
UniProt ID:	Q9GZV5
Cytogenetics:	3q25.1



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Synonyms: TAZ

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:

