

# Recombinant human TAZ/WWTR1 protein

Catalog Number: ATGP2480

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-400aa

### UniProt No.

Q9GZV5

### NCBI Accession No.

NP\_001161752

### Alternative Names

WW domain containing transcription regulator 1, TAZ

## PRODUCT SPECIFICATION

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### Molecular Weight

46.5 kDa (423aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

WWTR1 is a 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. Recombinant human WWTR1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MNPASAP PPLPPPGQQV IHVTQDLDTD LEALFNSVMN PKPSSWRKKI  
LPESFFKEPD SGSHSRQSST DSSGGHPGPR LAGGAQHVRH HSSPASLQLG TGAGAAGSPA QQHAHLRQQS YDVTDELPLP  
PGWEMTFTAT GQRYFLNHIE KITTWQDPRK AMNQPLNHMN LHPAVSSTPV PQRSMASVSP NLVMNHQHQQ  
QMAPSTLSQQ NHPTQNPPAG LMSMPNALTT QQQQQQKLRL QRIQMERERI RMRQEELMRQ EAALCRQLPM EAETLAPVQA  
AVNPPTMTPD MRSITNNSD PFLNGGPHYH REQSTDSGLG LGCYSVPTTP EDFLSNVDEM DTGENAGQTP MNINPQQTRF  
PDFLDCLPGT NVDLGTLESE DLIPLFNDVE SALNKSEPFLL TWL

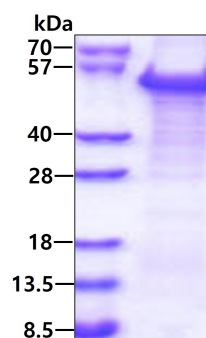
## General References

Huang,W., et al. (2012) J. Biol. Chem. 287 (31), 26245-26253

Pan,J., et al. (2012) Oncol. Rep. 28 (1), 179-185

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.