

AR51300PU-S

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

Alternate names:

Transcriptional coactivator with PDZ-binding motif, WW domain-containing transcription regulator protein 1

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9GZV5](#)

NCBI:

[NP_001161752](#)

GenelD:

[25937](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Description:

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

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMNPASAP PPLPPPGQQV IHVTQDLDTD LEALFNSVMN
PKPSSWRKKI LPESFFKEPD SGSHSRQSST DSSGGHPGPR LAGGAQHVRH HSSPASLQLG
TGAGAAGSPA QQHAHLRQQS YDVTDELPLP PGWEMTFTAT GQRYFLNHIE KITTWQDPRK
AMNQPLNHMN LHPAVSSTPV QRSMAVSQP NLVMNHQHQQ QMAPSTLSQQ NHPTQNPPAG
LMSMPNALTT QQQQQQKLRL QRIQMERERI RMRQEELMRQ EAALCRQLPM EAETLAPVQA
AVNPPTMTPD MRSITNNSSD PFLNGGPYHS REQSTDGSLG LGCYSVPTTP EDFLSNVDEM
DTGENAGQTP MNINPQQTRF PDFLDCLPGT NVDLGTLESE DLIPLFNDVE SALNKSEPFL TWL

Molecular weight: 46.5 kDa (423aa)

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. Shelf life: one year from despatch.

General Readings:

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

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

Pictures:

