

Recombinant human WWTR1, His-tagged

Cat. No. WWTR1-2480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WWTR1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	46.5kDa (423aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMNPASAP PPLPPPGQQV IHVTQDLDTD LEALFNSVMN PKPSSWRKKI LPESFFKEPD SGSHSRQSSTDSSGGHPGPR LAGGAQHVRH HSSPASLQLG TGAGAAGSPA QQHAHLRQQS YDVTDELPLP PGWEMTFTAT GQRYFLNHIE KITTWQDPRKAMNQLNHMN LHPAVSSTPV PQRSMASVQP NLVMNHQHQQ QMAPSTLSQQ NHPTQNPPAG LMSMPNALTT QQQQQKLRL QRIQMERERIRMRQEELMRQ EAALCRQLPM EAETLAPVQA

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AVNPPTMTPD MRSITNNSSD PFLNGGPYHS REQSTDSGLG LGCYSVPTTP
 EDFLSNVDEM DTGENAGQTP MNINPQQTRF PDFLDCLPGT NVDLGTLESE
 DLIPLFNDVE SALNKSEPFL TWL

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [WWTR1 WW domain containing transcription regulator 1 \[Homo sapiens \]](#)

Official Symbol WWTR1

Synonyms WWTR1; WW domain containing transcription regulator 1; WW domain-containing transcription regulator protein 1; DKFZp586l1419; TAZ; transcriptional coactivator with PDZ-binding motif; transcriptional co-activator with PDZ-binding motif; FLJ27004; FLJ45718;

Gene ID [25937](#)

mRNA Refseq [NM_001168278](#)

Protein Refseq [NP_001161750](#)

MIM [607392](#)

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UniProt ID	Q9GZV5
Chromosome Location	3q23-q24
Pathway	Adipogenesis, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem;
Function	protein binding; protein homodimerization activity; transcription coactivator activity; transcription coactivator activity; transcription corepressor activity;

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