

WWTR1, 1-400aa, Human, His tag, E.coli

Cat.NO.: TP04507

3th Edition

Synonyms:WW domain containing transcription regulator 1, TAZ

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 .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:46.5kDa (423aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNPASAPPPLPPPGQQVIHVVTQDLDTLEALFNSVMNPKPSSWRKKILPES
FFKEPDSGSHSRQSSTDSSGGHPGPRLAGGAQHVRSHSSPASLQLGTGAGAAGSPAQQHAHLRQQSYDVTDEL
PLPPGWEMTFTATGQRYFLNHIEKITTWQDPRKAMNQPLNHMNLHPAVSSTPVPQRSMAVSQPNLVMNHQHQQQ
MAPSTLSQQNHPTQNPPAGLMSMPNALTTQQQQQKLRLQRIQMERERIRMRQEELMRQEALCRQLPMEAETL
APVQAAVNPPPTMTPDMRSITNNSSDPFLNGGPYHSREQSTDSGLGLGCYSVPTTPEDFLSNVDEMDTGENAGQT
PMNINPQQTRFPDFLDCLPGTNVDLGTLESEDLIPLFNDVESALNKSEPFLTWL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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