

Recombinant Human WWTR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WWTR1-2240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WWTR1 MS Standard C13 and N15-labeled recombinant protein (NP_056287) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	44.1 kDa
AA Sequence	MNPASAPPLPPPGQQVIHVTQDLDTDLEALFNSVMNPKPSSWRKKILPESFFKEPD SGSHSRQSSTDSSGGHPGPRLAGGAQHVRSHSSPASLQLGTGAGAAGSPAQQHA

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HLRQQSYDVTDELPLPPGWEMTFTATGQRYFLNHIEKITTWQDPRKAMNQPLNHM
 NLHPAVSSTPVPQRSMAVSQPNLVMNHQHQQQMAPSTLSQQNHPTQNPPAGLMS
 MPNALTTQQQQQKLRLQRIQMERERIRMRQEELMRQEAALCRQLPMEAETLAPV
 QAAVNPTMTDPMRSITNNSSDPFLNGGPYHSREQSTDSGLGLGCYSVPTTPEDFL
 SNVDEMDTGENAGQTPMNINPQQTRFPDFLDCLPGTNVDLGTLESEDLIPLFNDVE
 SALNKSEPFLTWLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol [WWTR1](#)

Synonyms WWTR1; WW domain containing transcription regulator 1; WW domain-containing transcription regulator protein 1; DKFZp586I1419; TAZ; transcriptional coactivator with PDZ-binding motif; transcriptional co-activator with PDZ-binding motif; FLJ27004; FLJ45718;

Gene ID [25937](#)

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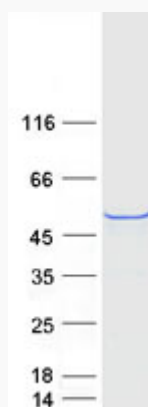
mRNA Refseq [NM_015472](#)

Protein Refseq [NP_056287](#)

MIM [607392](#)

UniProt ID [Q9GZV5](#)

SDS-PAGE



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