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Datasheet for ABIN7556023

WWTR1 Protein (AA 1-400) (His tag)

Overview

Quantity:	1 mg
Target:	WWTR1
Protein Characteristics:	AA 1-400
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WWTR1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat WWTR1 Protein expressed in mammalien cells.
Sequence:	MNPASAPPPL PPPGQQVIHV TQDLDTDLEA LFNSVMNPKP SSWRKKILPE SFFKEPDSGS HSRQSSTDSS GGHPGPRLAG GAQHVRSHSS PASLQLGTGA GAAGSPAQQH AHLRQQSYDV TDELPLPPGW EMTFTATGQR YFLNHIEKIT TWQDPRKAMN QPLNHMNLHP AVSSTPVPQR SMAVSQPNLV MNHQHQQMA PSTLSQQNHP TQNPPAGLMS MPNALTTQQQ QQQKLRLQRI QMERERIRMR QEELMRQEAA LCRQLPMEAE TLAPVQAAVN PPTMTPDMRS ITNNSSDPFL NGGPYHSREQ STDSGLGLGC YSVPTTPEDF LSNVDEMDTG ENAGQTPMNI NPQQTRFPDF LDCLPGTNVD LGTLESEDLI PLFNDVESAL NKSEPFLLTWL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	WWTR1
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Alternative Name:	WWTR1 (WWTR1 Products)
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Background:	WW domain-containing transcription regulator protein 1 (Transcriptional coactivator with PDZ-binding motif),FUNCTION: 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 (PubMed:11118213, PubMed:18227151). 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 (PubMed:18227151). WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation (PubMed:19010321). In conjunction with YAP1, involved in the regulation of TGFB1-dependent SMAD2 and SMAD3 nuclear accumulation (PubMed:18568018). Plays a key role in coupling SMADs to the transcriptional machinery such as the mediator complex (PubMed:18568018). Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition (PubMed:18227151, PubMed:18568018). {ECO:0000269 PubMed:11118213, ECO:0000269 PubMed:18227151,
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Target Details

ECO:0000269|PubMed:18568018, ECO:0000269|PubMed:19010321}.

Molecular Weight: 44.1 kDa

UniProt: [Q9GZV5](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months