Datasheet for ABIN7556022

WWP1 Protein (AA 1-922) (His tag)

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Overview

Quantity:	1 mg
Target:	WWP1
Protein Characteristics:	AA 1-922
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WWP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WWP1 Protein expressed in mammalian cells.
Sequence:	MATASPRSDT SNNHSGRLQL QVTVSSAKLK RKKNWFGTAI YTEVVVDGEI TKTAKSSSSS NPKWDEQLTV NVTPQTTLEF QVWSHRTLKA DALLGKATID LKQALLIHNR KLERVKEQLK LSLENKNGIA QTGELTVVLD GLVIEQENIT NCSSSPTIEI QENGDALHEN GEPSARTTAR LAVEGTNGID NHVPTSTLVQ NSCCSYVVNG DNTPSSPSQV AARPKNTPAP KPLASEPADD TVNGESSSFA PTDNASVTGT PVVSEENALS PNCTSTTVED PPVQEILTSS ENNECIPSTS AELESEARSI LEPDTSNSRS SSAFEAAKSR QPDGCMDPVR QQSGNANTET LPSGWEQRKD PHGRTYYVDH NTRTTTWERP QPLPPGWERR VDDRRRVYYV DHNTRTTTWQ RPTMESVRNF EQWQSQRNQL QGAMQQFNQR YLYSASMLAA ENDPYGPLPP GWEKRVDSTD RVYFVNHNTK TTQWEDPRTQ GLQNEEPLPE GWEIRYTREG VRYFVDHNTR TTTFKDPRNG KSSVTKGGPQ IAYERGFRWK LAHFRYLCQS NALPSHVKIN VSRQTLFEDS FQQIMALKPY DLRRRLYVIF RGEEGLDYGG LAREWFFLLS HEVLNPMYCL FEYAGKNNYC LQINPASTIN PDHLSYFCFI GRFIAMALFH GKFIDTGFSL PFYKRMLSKK LTIKDLESID TEFYNSLIWI RDNNIEECGL

Product Details

	EMYFSVDMEI LGKVTSHDLK LGGSNILVTE ENKDEYIGLM TEWRFSRGVQ EQTKAFLDGF NEVVPLQWLQ YFDEKELEVM LCGMQEVDLA DWQRNTVYRH YTRNSKQIIW FWQFVKETDN EVRMRLLQFV TGTCRLPLGG FAELMGSNGP QKFCIEKVGK DTWLPRSHTC FNRLDLPPYK SYEQLKEKLL FAIEETEGFG QE **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	WWP1
Alternative Name:	WWP1 (WWP1 Products)
Background:	NEDD4-like E3 ubiquitin-protein ligase WWP1 (EC 2.3.2.26) (Atrophin-1-interacting protein 5) (AIP5) (HECT-type E3 ubiquitin transferase WWP1) (TGIF-interacting ubiquitin ligase 1) (Tiul1) (WW domain-containing protein 1),FUNCTION: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Ubiquitinates ERBB4 isoforms JM-A CYT-1 and

Target Details

	JM-B CYT-1, KLF2, KLF5 and TP63 and promotes their proteasomal degradation. Ubiquitinates RNF11 without targeting it for degradation. Ubiquitinates and promotes degradation of TGFBR1, the ubiquitination is enhanced by SMAD7. Ubiquitinates SMAD6 and SMAD7. Ubiquitinates and promotes degradation of SMAD2 in response to TGF-beta signaling, which requires interaction with TGIF. {ECO:0000269|PubMed:12535537, ECO:0000269|PubMed:15221015, ECO:0000269|PubMed:15359284}.
Molecular Weight:	105.2 kDa
UniProt:	Q9H0M0

Application Details

Application Notes:	We expect the protein to work for functional studies. 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

