Datasheet for ABIN7556045

WWP2 Protein (AA 1-870) (His tag)

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Overview

Quantity:	1 mg
Target:	WWP2
Protein Characteristics:	AA 1-870
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WWP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WWP2 Protein expressed in mammalian cells.
Sequence:	MASASSSRAG VALPFEKSQL TLKVVSAKPK VHNRQPRINS YVEVAVDGLP SETKKTGKRI GSSELLWNEI IILNVTAQSH LDLKVWSCHT LRNELLGTAS VNLSNVLKNN GGKMENMQLT LNLQTENKGS VVSGGELTIF LDGPTVDLGN VPNGSALTDG SQLPSRDSSG TAVAPENRHQ PPSTNCFGGR SRTHRHSGAS ARTTPATGEQ SPGARSRHRQ PVKNSGHSGL ANGTVNDEPT TATDPEEPSV VGVTSPPAAP LSVTPNPNTT SLPAPATPAE GEEPSTSGTQ QLPAAAQAPD ALPAGWEQRE LPNGRVYYVD HNTKTTTWER PLPPGWEKRT DPRGRFYYVD HNTRTTTWQR PTAEYVRNYE QWQSQRNQLQ GAMQHFSQRF LYQSSSASTD HDPLGPLPPG WEKRQDNGRV YYVNHNTRTT QWEDPRTQGM IQEPALPPGW EMKYTSEGVR YFVDHNTRTT TFKDPRPGFE SGTKQGSPGA YDRSFRWKYH QFRFLCHSNA LPSHVKISVS RQTLFEDSFQ QIMNMKPYDL RRRLYIIMRG EEGLDYGGIA REWFFLLSHE VLNPMYCLFE YAGKNNYCLQ INPASSINPD HLTYFRFIGR FIAMALYHGK FIDTGFTLPF YKRMLNKRPT LKDLESIDPE FYNSIVWIKE NNLEECGLEL YFIQDMEILG KVTTHELKEG GESIRVTEEN KEEYIMLLTD WRFTRGVEEQ

Product Details

	TKAFLDGFNE VAPLEWLRYF DEKELELMLC GMQEIDMSDW QKSTIYRHYT KNSKQIQWFW QVVKEMDNEK RIRLLQFVTG TCRLPVGGFA ELIGSNGPQK FCIDKVGKET WLPRSHTCFN RLDLPPYKSY EQLREKLLYA IEETEGFGQE **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:	WWP2
Alternative Name:	WWP2 (WWP2 Products)
Background:	NEDD4-like E3 ubiquitin-protein ligase WWP2 (EC 2.3.2.26) (Atrophin-1-interacting protein 2) (AIP2) (HECT-type E3 ubiquitin transferase WWP2) (WW domain-containing protein 2),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. Polyubiquitinates POU5F1 by 'Lys-63'-linked conjugation and promotes it

Target Details

	to proteasomal degradation, in embryonic stem cells (ESCs) the ubiquitination is proposed to regulate POU5F1 protein level. Ubiquitinates EGR2 and promotes it to proteasomal degradation, in T-cells the ubiquitination inhibits activation-induced cell death. Ubiquitinates SLC11A2, the ubiquitination is enhanced by presence of NDFIP1 and NDFIP2. Ubiquitinates RPB1 and promotes it to proteasomal degradation. {ECO:0000269|PubMed:19274063, ECO:0000269|PubMed:19651900}.
Molecular Weight:	98.9 kDa
UniProt:	O00308
Pathways:	Negative Regulation of Transporter Activity

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