Datasheet for ABIN7554363

WWC1 Protein (AA 1-1113) (His tag)

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Overview

Quantity:	1 mg
Target:	WWC1
Protein Characteristics:	AA 1-1113
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WWC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant WWC1 Protein expressed in mammalian cells.
Sequence:	MPRPELPLPE GWEEARDFDG KVYYIDHTNR TTSWIDPRDR YTKPLTFADC ISDELPLGWE EAYDPQVGDY FIDHNTKTTQ IEDPRVQWRR EQEHMLKDYL VVAQEALSAQ KEIYQVKQQR LELAQQEYQQ LHAVWEHKLG SQVSLVSGSS SSSKYDPEIL KAEIATAKSR VNKLKREMVH LQHELQFKER GFQTLKKIDK KMSDAQGSYK LDEAQAVLRE TKAIKKAITC GEKEKQDLIK SLAMLKDGFR TDRGSHSDLW SSSSSLESSS FPLPKQYLDV SSQTDISGSF GINSNNQLAE KVRLRLRYEE AKRRIANLKI QLAKLDSEAW PGVLDSERDR LILINEKEEL LKEMRFISPR KWTQGEVEQL EMARKRLEKD LQAARDTQSK ALTERLKLNS KRNQLVRELE EATRQVATLH SQLKSLSSSM QSLSSGSSPG SLTSSRGSLV ASSLDSSTSA SFTDLYYDPF EQLDSELQSK VEFLLLEGAT GFRPSGCITT IHEDEVAKTQ KAEGGGRLQA LRSLSGTPKS MTSLSPRSSL SSPSPPCSPL MADPLLAGDA FLNSLEFEDP ELSATLCELS LGNSAQERYR LEEPGTEGKQ LGQAVNTAQG CGLKVACVSA AVSDESVAGD SGVYEASVQR LGASEAAAFD SDESEAVGAT RIQIALKYDE KNKQFAILII QLSNLSALLQ QQDQKVNIRV AVLPCSESTT CLFRTRPLDA

Product Details

	SDTLVFNEVF WVSMSYPALH QKTLRVDVCT TDRSHLEECL GGAQISLAEV CRSGERSTRW YNLLSYKYLK KQSRELKPVG VMAPASGPAS TDAVSALLEQ TAVELEKRQE GRSSTQTLED SWRYEETSEN EAVAEEEEEE VEEEEGEEDV FTEKASPDMD GYPALKVDKE TNTETPAPSP TVVRPKDRRV GTPSQGPFLR GSTIIRSKTF SPGPQSQYVC RLNRSDSDSS TLSKKPPFVR NSLERRSVRM KRPSSVKSLR SERLIRTSLD LELDLQATRT WHSQLTQEIS VLKELKEQLE QAKSHGEKEL PQWLREDERF RLLLRMLEKR QMDRAEHKGE LQTDKMMRAA AKDVHRLRGQ SCKEPPEVQS FREKMAFFTR PRMNIPALSA DDV **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:	WWC1
Alternative Name:	WWC1 (WWC1 Products)
Background:	Protein KIBRA (HBeAg-binding protein 3) (Kidney and brain protein) (KIBRA) (WW domain-

Target Details

	containing protein 1),FUNCTION: Negative regulator of the Hippo signaling pathway, also known as the Salvador-Warts-Hippo (SWH) pathway (PubMed:24682284). Enhances phosphorylation of LATS1 and YAP1 and negatively regulates cell proliferation and organ growth due to a suppression of the transcriptional activity of YAP1, the major effector of the Hippo pathway (PubMed:24682284). Along with NF2 can synergistically induce the phosphorylation of LATS1 and LATS2 and function in the regulation of Hippo signaling pathway (PubMed:20159598). Acts as a transcriptional coactivator of ESR1 which plays an essential role in DYNLL1-mediated ESR1 transactivation (PubMed:16684779). Regulates collagen-stimulated activation of the ERK/MAPK cascade (PubMed:18190796). Modulates directional migration of podocytes (PubMed:18596123). Plays a role in cognition and memory performance (PubMed:18672031). Plays an important role in regulating AMPA-selective glutamate receptors (AMPARs) trafficking underlying synaptic plasticity and learning (By similarity). {ECO:0000250|UniProtKB:Q5SXA9, ECO:0000269|PubMed:16684779, ECO:0000269|PubMed:18190796, ECO:0000269|PubMed:18596123, ECO:0000269|PubMed:18672031, ECO:0000269|PubMed:20159598, ECO:0000269|PubMed:24682284}.
Molecular Weight:	125.3 kDa
UniProt:	Q8IX03

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