

Datasheet for ABIN7556016
WAC Protein (AA 1-647) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	WAC
Protein Characteristics:	AA 1-647
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WAC protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat WAC Protein expressed in mammalien cells.
Sequence:	MVMYARKQQR LSDGCHDRRG DSQPYQALKY SSKSHPSSGD HRHEKMRDAG DPSPPNKMLR RSDSPENKYS DSTGHSKAKN VHTHRVRERD GGTSYSPQEN SHNHSALHSS NSHSSNPSNN PSKTSDAPYD SADDWSEHIS SSGKKYYYNC RTEVSQWEKP KEWLEREQRQ KEANKMAVNS FPKDRDYRRE VMQATATSGF ASGMEDKHSS DASSLLPQNI LSQTSRHNDR DYRLPRAETH SSSTPVQHPI KPVVHPTATP STVPSSPFTL QSDHQPKKSF DANGASTLSK LPTPTSSVPA QKTERKESTS GDKPVSHSCT TPSTSSASGL NPTSAPPTSA SAVPVSPVPQ SPIPPLLQDP NLLRQLLPAL QATLQLNNSN VDISKINEVL TAAVTQASLQ SIIHKFLTAG PSAFNITSLI SQAAQLSTQA QPSNQSPMSL TSDASSPRSY VSPRISTPQT NTVPIKPLIS TPPVSSQPKV STPVVKQGPV SQSATQQPVT ADKQQGHEPV SPRSLQRSSS QRSPSPGPNH TSNSSNASNA TVVPQNSSAR STCSLTPALA AHFSENLIKH VQGWPADHAE KQASRLREEA HNMGTIHMSE ICTELKNLRS LVRVCEIQAT LREQRILFLR QQIKELEKLEK NQNSFMV 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:

- 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

Grade:

custom-made

Target Details

Target:

WAC

Alternative Name:

WAC ([WAC Products](#))

Background:

WW domain-containing adapter protein with coiled-coil,FUNCTION: Acts as a linker between gene transcription and histone H2B monoubiquitination at 'Lys-120' (H2BK120ub1) (PubMed:21329877). Interacts with the RNA polymerase II transcriptional machinery via its WW domain and with RNF20-RNF40 via its coiled coil region, thereby linking and regulating H2BK120ub1 and gene transcription (PubMed:21329877). Regulates the cell-cycle checkpoint activation in response to DNA damage (PubMed:21329877). Positive regulator of amino acid starvation-induced autophagy (PubMed:22354037). Also acts as a negative regulator of basal autophagy (PubMed:26812014). Positively regulates MTOR activity by promoting, in an energy-dependent manner, the assembly of the TTT complex composed of TEO2, TTI1 and TTI2 and the RUVBL complex composed of RUVBL1 and RUVBL2 into the TTT-RUVBL complex. This

Target Details

leads to the dimerization of the mTORC1 complex and its subsequent activation (PubMed:26812014). May negatively regulate the ubiquitin proteasome pathway (PubMed:21329877). {ECO:0000269|PubMed:21329877, ECO:0000269|PubMed:22354037, ECO:0000269|PubMed:26812014}.

Molecular Weight: 70.7 kDa

UniProt: [Q9BTA9](#)

Pathways: [Chromatin Binding](#)

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