

Datasheet for ABIN7556688

## Ancient Ubiquitous Protein 1 Protein (Aup1) (AA 1-410) (His tag)



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### Overview

Quantity:	1 mg
Target:	Ancient Ubiquitous Protein 1 (Aup1)
Protein Characteristics:	AA 1-410
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ancient Ubiquitous Protein 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Aup1 Protein expressed in mammalian cells.
Sequence:	<p>MEPPPPAPGPE RLFDShRLPS DGfLLLALLL YAPVGLCLLV LRLfLGLHVF LVSCALPDSV</p> <p>LRRFVVRTMC AVLGLVARQE DSGLRDHRVR VLISNHVTPF DHNIVNLLTT CSTPLLNSPP</p> <p>SFVCWSRGFM EMDRRVELVE SLKKFCASTR LPPTPLLLFP EEEATNGREG LLRFSSWPFS</p> <p>IQDVVQPLTL QVQRPLVSVT VSDASWVSEL LWSLFVPFTV YQVRWLHPIR RQLGEESEEF</p> <p>ALRVQQLVAK ELGQIGTRLT PADKAEHMKR QRHPRLRPQS VQSSFSPSPS PSSDVQLTTL</p> <p>AHRVKEVLPH VPLNVIQRDL ARTGCVDLTI TNLLEGAVAF MPEDVTEGSQ SPPAPSAPKF</p> <p>PSSGLATPQP TALTFAKSSW ARQESLQERK QALYEYARRR FRERQAQAE <b>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.</b></p>
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

Grade: custom-made

## Target Details

Target: Ancient Ubiquitous Protein 1 (Aup1)

Alternative Name: Aup1 ([Aup1 Products](#))

Background: Lipid droplet-regulating VLDL assembly factor AUP1 (Ancient ubiquitous protein 1),FUNCTION: Plays a role in the translocation of terminally misfolded proteins from the endoplasmic reticulum lumen to the cytoplasm and their degradation by the proteasome (By similarity). Plays a role in lipid droplet formation (By similarity). Induces lipid droplet clustering (By similarity). Recruits ubiquitin-conjugating enzyme UBE2G2 to lipid droplets which facilitates its interaction with ubiquitin ligases AMFR/gp78 and RNF139/TRC8, leading to sterol-induced ubiquitination of HMGCR and its subsequent proteasomal degradation (By similarity). Also required for the degradation of INSIG1, SREBF1 and SREBF2 (By similarity). Plays a role in regulating assembly and secretion of very low density lipoprotein particles and stability of apolipoprotein APOB (By similarity). {ECO:0000250|UniProtKB:Q9Y679}.

Molecular Weight: 46.1 kDa

UniProt: [P70295](#)

## 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.
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Restrictions:	For Research Use only
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## 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