

Datasheet for ABIN7555908  
**Usp30 Protein (AA 1-517) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Usp30
Protein Characteristics:	AA 1-517
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Usp30 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat USP30 Protein expressed in mammalian cells.
Sequence:	<p>MLSSRAEAAM TAADRAIQRFLRTGAAVRYK VMKNWGVIGG IAAALAAGIY VIWGPITERK KRRKGLVPGL VNLGNTCFMN SLLQGLSACP AFIRWLEEF SQYSRDQKEP PSHQYLSLTL LHLLKALSCQ EVTDDEVLDA SCLLDVLRMY RWQISSFEEQ DAHEL FHVIT SSLEDERDRQ PRVTHLFDVH SLEQQSEITP KQITCRTRGS PHPTSNHWKS QHPFHGRLTS NMVCKHCEHQ SPVRFDTFDS LLSIPAATW GHPLTDHCL HFFISSESVR DVVCDNCTKI EAKGTLNGEK VEHQRTTFVK QLKLGKLPQC LCIHLQRLSW SSHGTP LKRH EHVQFNEFLM MDIYKYHLLG HKPSQHNP KL NKNPGPTLEL QDGP GAPT PV LNQPGAPKTQ IFMNGACSPS LLPTLSAPMP FPLPVDPDYS SSTYLFRLMA VVVHHGDMHS GHFV TYRRSP PSARNPLSTS NQWLWVSDDT VRKASLQEV L SSSAYLLFYE RVL SRMQHQ S QECKSEE <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</b></p>

## Product Details

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### contact us.

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#### 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

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#### Target:

Usp30

#### Alternative Name:

USP30 ([Usp30 Products](#))

#### Background:

Ubiquitin carboxyl-terminal hydrolase 30 (EC 3.4.19.12) (Deubiquitinating enzyme 30) (Ubiquitin thioesterase 30) (Ubiquitin-specific-processing protease 30) (Ub-specific protease 30),FUNCTION: Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy (PubMed:18287522, PubMed:24896179, PubMed:25527291, PubMed:25621951). Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate in mitophagic signaling (PubMed:25621951). Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' (PubMed:25527291). Acts as a negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2 (By similarity). {ECO:0000250|UniProtKB:Q3UN04, ECO:0000269|PubMed:18287522, ECO:0000269|PubMed:24896179,

## Target Details

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ECO:0000269|PubMed:25527291, ECO:0000269|PubMed:25621951}.

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Molecular Weight: 58.5 kDa

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UniProt: [Q70CQ3](#)

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## Application Details

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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

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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