

[Go to Product page](#)

Datasheet for ABIN7545002  
**USP46 Protein (AA 1-366) (His tag)**

## Overview

Quantity:	1 mg
Target:	USP46
Protein Characteristics:	AA 1-366
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP46 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat USP46 Protein expressed in mammalian cells.
Sequence:	<p>MTVRNIASIC NMGTNASALE KDIGPEQFPI NEHYFGLVNF GNTCYCNSVL QALYFCRPF ENVLAYKAQQ KKKENLLTCL ADLFHSIATQ KKKVGVIPPK KFISRLRKEN DLFDNMQQD AHEFLNYLLN TIADILQEEK KQEKQNGKLGK NGNMNEPAEN NKPELTWVHE IFQGTLTNET RCLNCETVSS KDEDFLDSV DVEQNTSITH CLRDFSNTET LCSEQKYCYE TCCSKQEAQK RMRVKKLPMI LALHLKRFKY MEQLHRYTKL SYRVVFPLEL RLFNTSSDAV NLDRMYDLVA VVVHCGSGPN RGHYITIVKS HGFWLLFDDD IVEKIDAQAI EEFYGLTSDI SKNSESGLYIL FYQSRE</p> <p><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

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	USP46
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Alternative Name:	USP46 ( <a href="#">USP46 Products</a> )
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Background:	Ubiquitin carboxyl-terminal hydrolase 46 (EC 3.4.19.12) (Deubiquitinating enzyme 46) (Ubiquitin thioesterase 46) (Ubiquitin-specific-processing protease 46),FUNCTION: Deubiquitinating enzyme that plays a role in behavior, possibly by regulating GABA action. May act by mediating the deubiquitination of GAD1/GAD67 (By similarity). Has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity (PubMed:19075014, PubMed:26388029). Not involved in deubiquitination of monoubiquitinated FANCD2 (PubMed:19075014). {ECO:0000250 UniProtKB:P62069, ECO:0000269 PubMed:19075014, ECO:0000269 PubMed:26388029}.
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Molecular Weight:	42.4 kDa
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UniProt:	<a href="#">P62068</a>
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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
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## Application Details

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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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