

Datasheet for ABIN7555955  
**USP48 Protein (AA 1-1035) (His tag)**



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## Overview

Quantity:	1 mg
Target:	USP48
Protein Characteristics:	AA 1-1035
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP48 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant USP48 Protein expressed in mammalian cells.
Sequence:	MAPRLQLEKA AWRWAETVRP EEVSQEHMET AYRIWLEPCI RGVCRRNCKG NPNCLVGIGE HIWLGEIDEN SFHNIDDPNC ERRKNSFVG LTNLGATCYV NTFLLQVWFLN LELRQALYLC PSTCSDYMLG DGIQEEKDYE PQTICEHLQY LFALLQNSNR RYIDPSGFVK ALGLDTGQQQ DAQEFSKLFM SLLEDTLKQ KNPDVRNIVQ QQFCGEYAYV TVCNQCGRES KLLSKFYELE LNIQGHKQLT DCISEFLKEE KLEGDNRYFC ENCQSKQDAT RKIRLLSLPC TLNLQLMRFV FDRQTGHKKK LNTYIGFSEI LDMEPYVEHK GGSYVYELSA VLIHRGVSAY SGHYIAHVKD PQSGEWYKFN DEDIEKMEGK KLQLGIEEDL AEPSKSQTRK PKCGKGTTHCS RNAYMLVYRL QTQEKPNNTV QVPAFLQELV DRDNSKFEEW CIEMAEMRKQ SVDKGGKAKHE EVKELYQRLP AGAEPYEFVS LEWLQKWLDL STPTKPIDNH ACLCSHDKLH PDKISIMKRI SEYAADIFYS RYGGPRLTV KALCKEVCVE RCRILRLKNQ LNEDYKTVNN LLKAAVKGSD GFWVWGKSSLR SWRQLALEQL DEQDGDAAEQS NGKMMNGSTLN KDESKEERKE EEELNFNEDI LCPHGELCIS ENERRLSKE AWSKLQQYFP KAPEFPSYKE CCSQCKILER EGEENEALHK MIANEQKTSL

## Product Details

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PNLFQDKNRP CLSNWPEDTD VLYIVSQFFV EEWRKFRKRP TRCSPVSSVG NSALLCPHGG  
LMFTFASMTK EDSKLIALIW PSEWQMIQKL FVVDHVIKIT RIEVGDVNPS ETQYISEPKL  
CPECREGLLC QQQRDLREYT QATIYVHKVW DNKKVMKDSA PELNVSSSET EEDKEEAKPD  
GEKDPDFNQS NGGTRQKIS HQNYIAYQKQ VIRRSRHRK VRGEKALLVS ANQTLKELKI  
QIMHAFSVAP FDQNSIDGK ILSDDCATLG TLGVIPESVI LLKADEPIAD YAAMDDVMQV  
CMPEEGFKGT GLLGH **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

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Target: USP48

Alternative Name: USP48 ([USP48 Products](#))

Background: Ubiquitin carboxyl-terminal hydrolase 48 (EC 3.4.19.12) (Deubiquitinating enzyme 48) (Ubiquitin thioesterase 48) (Ubiquitin-specific peptidase 48) (Ubiquitin-specific protease 48) (Ubiquitin-specific-processing protease 48),FUNCTION: Recognizes and hydrolyzes the peptide bond at

## Target Details

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the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins (PubMed:16214042, PubMed:34059922). May be involved in the regulation of NF-kappa-B activation by TNF receptor superfamily via its interactions with RELA and TRAF2. May also play a regulatory role at postsynaptic sites.

{ECO:0000269|PubMed:16214042, ECO:0000269|PubMed:34059922}.

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Molecular Weight: 119.0 kDa

UniProt: [Q86UV5](#)

## Application Details

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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

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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