

Datasheet for ABIN7555894
USP19 Protein (AA 1-1318) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	USP19
Protein Characteristics:	AA 1-1318
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP19 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USP19 Protein expressed in mammalian cells.
Sequence:	<p>MSGGASATGP RRGPPGLEDT TSKKKQKDRA NQESKDG DPR KETGSRVVAQ AGLLEPLASGD PSASASHAAG ITGSRHRTRL FFPSSSGSAS TPQEEQKEG ACEDPHDLLA TPTPELLLDW RQSAEEVIVK LRVGVG PLQL EDVDAAF TDT DCVVRFAGGQ QWGGVFYAEI KSSCAKVQTR KGSLLHL TLP KKV PMLTWPS LLVEADEQLC IPPLNSQTCL LGSEENLAPL AGEKAVPPGN DPVSPAMVRS RNP GKDDCAK EEMAVAADAA TLVDEPESMV NLA FVKND SY EKG PDSVVVH VYVKEICRDT SRVLFREQDF TLIFQTRDGN FLRLHPGCGP HTTFRWQVKL RNLIEPEQCT FCFTASRID I CLRKRQSQRW GGLEAPAARV GGAKVAVPTG PTPLDSTPPG GAPHPLTGQE EARAVEKDKS KARSEDTGLD SVATRTPMEH VTPKPETHLA SPKPTCMVPP MPHSPVSGDS VEEEEEEEKK VCLPGFTGLV NLGNTCFMNS VIQSLN TRE LRDFHDSRF EAEINYNPL GTGGRLAIGF AVLLRALWKG THHAFQPSKL KAIVASKASQ FTGYAQHDAQ EFMAFLLDGL HEDLNRIQNK PYTETVDS DG RPDEVV AEEA WQRHKMRNDS FIVDLFQGQY KSKLVCPVCA KVSITFD PFL YLPVPLPQKQ KVL PVFYFAR EPHSKPIKFL VSVSKENSTA SEVLDSL S QS</p>

VHVKPENLRL AEVIKRFHR VFLPSHSLDT VSPSDTLLCF ELLSSELAKE RWWLEVQQR
PQVPSVIPISK CAACQRKQQS EDEKLRCTR CYRVGYCNQL CQKTHWPDHK GLCRPENIGY
PFLVSVPASR LTYARLAQLL EGYARYSVSV FQPPFQGRM ALESQSPGCT TLLSTGSLEA
GDSERDPIQP PELQLVTPMA EGD TGLPRVW AAPDRGPVPS TSGISSEMLA SGPIEVGSLP
AGERVSRPEA AVPGYQHPSE AMNAHTPQFF IYKIDSSNRE QRLEDKGDTP LELGDDCSLA
LVWRNNERLQ EFVLVASKEL ECAEDPGSAG EAARAGHFTL DQCLNLFTRP EVLAPEEAWY
CPQCKQHREA SKQLLLWRLP NVLIVQLKRF SFRSFIWRDK INDLVEFPVR NLDLSKFCIG
QKEEQLPSYD LYAVINHYGG MIGGHYTACA RLPNDRSSQR SDVGWRLFDD STVTTVDESQ
VVTRYAYVLF YRRRNTPVER PPRAGHSEHH PDLGPAAEAA ASQASRIWQE LEAEEEPVPE
GSGPLGPWGP QDWVGPLPRG PTPDEGCLR YFVLGTVAAL VALVLNVFYP LVSQSRWR

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

Target:	USP19
Alternative Name:	USP19 (USP19 Products)
Background:	<p>Ubiquitin carboxyl-terminal hydrolase 19 (EC 3.4.19.12) (Deubiquitinating enzyme 19) (Ubiquitin thioesterase 19) (Ubiquitin-specific-processing protease 19) (Zinc finger MYND domain-containing protein 9),FUNCTION: Deubiquitinating enzyme that regulates the degradation of various proteins. Deubiquitinates and prevents proteasomal degradation of RNF123 which in turn stimulates CDKN1B ubiquitin-dependent degradation thereby playing a role in cell proliferation. Involved in decreased protein synthesis in atrophying skeletal muscle. Modulates transcription of major myofibrillar proteins. Also involved in turnover of endoplasmic-reticulum-associated degradation (ERAD) substrates. Regulates the stability of BIRC2/c-IAP1 and BIRC3/c-IAP2 by preventing their ubiquitination. Required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non-catalytic manner. Plays an important role in 17 beta-estradiol (E2)-inhibited myogenesis. Decreases the levels of ubiquitinated proteins during skeletal muscle formation and acts to repress myogenesis. Exhibits a preference towards 'Lys-63'-linked ubiquitin chains.</p> <p>{ECO:0000269 PubMed:19465887, ECO:0000269 PubMed:21849505, ECO:0000269 PubMed:22128162, ECO:0000269 PubMed:22689415}.</p>
Molecular Weight:	145.7 kDa
UniProt:	O94966

Application Details

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

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.

Handling

Expiry Date: 12 months