

Datasheet for ABIN7555926  
**USP6 Protein (AA 1-1406) (His tag)**



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## Overview

Quantity:	1 mg
Target:	USP6
Protein Characteristics:	AA 1-1406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant USP6 Protein expressed in mammalian cells.
Sequence:	MDMVENADSL QAQERKDILM KYDKGHRAGL PEDKGPEPVG INSSIDRFGI LHETELPPVT AREAKKIRRE MTRTSKWMEM LGEWETYKHS SKLIDRVYKG IPMNIRGPVW SVLLNIQEI LKNPGRYQIM KERGKRSEH IHHIDLVRT TLRNHVFFRD RYGAQRELF YILLAYSEYN PEVGYCRDLS HITALFLLYL PEEDAFWALV QLLASERHSL PGFHSPNGGT VQGLQDQEH VVPKSQPKTM WHQDKEGLCG QCASLGCLR NLIDGSLGL TLRLWDVYLV EGEQVLPIT SIALKVQQR LMKTSRCGLW ARLRNQFFDT WAMNDDTVLK HLRASKKLT RKQDGLPPPA KREQGSLAPR PVPASRGGKT LCKGYRQAPP GPPAQFQRPI CSASPPWASR FSTPCPGGAV REDTYPVGTQ GVPSLALAQG GPQGSWRFLW WKSMPRLPTD LDIGGPWFPH YDFEWSCWVR AISQEDQLAT CWQAEHCGEV HNKDMSWPEE MSFTANSSKI DRQKVPTEKG ATGLSNLGN CFMNSSIQC V SNTQPLTQYF ISGRHLYELN RTNPIGMKGH MAKCYGDLVQ ELWSGTQKSV APLKLRRRTIA KYAPKFDGFQ QQDSQELLAF LLDGLHEDLN RVHEKPYVEL KDS DGRPDWE VAAEAWDNHL RRRNSIIVDL FHGQLRSQVK CKTCGHISVR FDPFNFLSLP LPMDSYMDLE

ITVIKLDGTT PVRYGLRLNM DEKYTGLKKQ LRDLCGLNSE QILLAEVHDS NIKNFPQDNQ  
KVQLSVSGFL CAFEIPVPSS PISASSPTQI DFSSSPSTNG MFTLTTNGDL PKPIFIPNGM  
PNTVWPCGTE KNFTNGMVNG HMPSPDPSPF TGYIIAVHRK MMRTELYFLS PQENRPSLFG  
MPLIVPCTVH TRKKDLYDAV WIQVSWLARP LPPQEASIHA QDRDNCMGYQ YPFTLRVWQK  
DGNSCAWCPQ YRFCRGCKID CGEDRAFIGN AYIAVDWHPT ALHLRYQTSQ ERVVDKHESV  
EQSRAQAEP INLDSCLRAF TSEEELGESE MYYCSKCKTH CLATKKLDLW RLPPFLIIHL  
KRFQFVNDQW IKSQKIVRFL RESFDPSAFL VPRDPALCQH KPLTPQGDEL SKPRILAREV  
KKVDAQSSAG KEDMLLSKSP SLSANISSS PKGSPSSSRK SGTSCPSSKN SSPNSSPRTL  
GRSKGRLRLP QIGSKNKPSS SKKNLDASKE NGAGQICELA DALSRGHMRG GSQPELVTPQ  
DHEVALANGF LYEHEACGNG CGDGYSNQQL GNHSEEDSTD DQREDTHIKP IYNLYAISCH  
SGILSGGHYI TYAKNPCKW YCYNDSCEE LHPDEIDTDS AYILFYEQQG IDYAQFLPKI  
DGKKMADTSS TDESESDYE KYSMLQ **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target:	USP6
Alternative Name:	USP6 ( <a href="#">USP6 Products</a> )
Background:	<p>Ubiquitin carboxyl-terminal hydrolase 6 (EC 3.4.19.12) (Deubiquitinating enzyme 6) (Proto-oncogene TRE-2) (RN-tre) (Ubiquitin thioesterase 6) (Ubiquitin-specific-processing protease 6),FUNCTION: Deubiquitinase with an ATP-independent isopeptidase activity, cleaving at the C-terminus of the ubiquitin moiety. Catalyzes its own deubiquitination. In vitro, isoform 2, but not isoform 3, shows deubiquitinating activity. Promotes plasma membrane localization of ARF6 and selectively regulates ARF6-dependent endocytic protein trafficking. Is able to initiate tumorigenesis by inducing the production of matrix metalloproteinases following NF-kappa-B activation. May act as a GTPase-activating protein for RAB3A (PubMed:19077034).</p> <p>{ECO:0000269 PubMed:15509780, ECO:0000269 PubMed:16127172, ECO:0000269 PubMed:19077034, ECO:0000269 PubMed:20418905}.</p>
Molecular Weight:	158.7 kDa
UniProt:	<a href="#">P35125</a>

## 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