

Datasheet for ABIN3096199

USP6 Protein (AA 1-1406) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	USP6
Protein Characteristics:	AA 1-1406
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MDMVENADSL QAQERKDILM KYDKGHRAGL PEDKGPEPVG INSSIDRFGI LHETELPPVT AREAKKIRRE MTRTSKWMEM LGEWETYKHS SKLIDRVYKG IPMNIRGPVW SVLLNIQEI LKNPGRYQIM KERKRSSEH IHHIDL DVRT TLRNHVFFRD RYGAQRELF YILLAYSEYN PEVGYCRDLS HITALFLLYL PEEDAFWALV QLLASERHSL PGFHSPNGGT VQGLQDQQEH VVPKSQPKTM WHQDKEGLCG QCASLGCLLR NLIDGISLGL TLRLWDVYLV EGEQVLMPI T SIALKVQQKR LMKTSRCGLW ARLRNQFFDT WAMNDDTVLK HLRAS TKKLT RKQGD LPPPA KREQGSLAPR PVPASRGGKT LCKGYRQAPP GPPAQFQRPI CSASPPWASR FSTPCPGGAV REDTYPVGTQ GVPSLALAQG GPQGSWRFLE WKSMPRLPTD LDIGGPWFPH YDFEWSWVR AISQEDQLAT CWQAEHCGEV HNKDMSWP EE MSFTANSSKI DRQKVPT EKG ATGLSNLGNT CFMNSSIQCV SNTQPLTQYF ISGRHLYELN RTNPIGMKGH MAKCYGDLVQ ELWSGTQKSV APLKLRR TIA KYAPKFDGFQ QQDSQELLAF LLDGLHEDLN RVHEKPYVEL KDS DGRPDWE</p>

VAAEAWDNHL RRNRSIIVDL FHGQLRSQVK CKTCGHISVR FDPFNFLSLP LPMDSYMDLE
ITVIKLDGTT PVRYGLRLNM DEKYTGLKKQ LRDLCGLNSE QILLAEVHDS NIKNFPQDNQ
KVQLSVSGFL CAFEIPVPSS PISASSPTQI DFSSSPSTNG MFTLTNGDL PKPIFIPNGM
PNTVVPCGTE KNFTNGMVNG HMPSLPDSPF TGYIIAVHRK MMRTELYFLS PQENRPSLFG
MPLIVPCTVH TRKKDLYDAV WIQVSWLARP LPPQEASIHA QDRDNCMGYQ YPFTLRVVQK
DGNSCAWCPQ YRFCRGCKID CGEDRAFIGN AYIAVDWHPT ALHLRYQTSQ ERVVDKHESV
EQSRRQAEP INLDSCLEAF TSEEELGESE MYYCSKCKTH CLATKKLDLW RLPPFLIIHL
KRFQFVNDQW IKSQKIVRFL RESFDPSAFL VPRDPALCQH KPLTPQGDEL SKPRILAREV
KKVDAQSSAG KEDMLLSKSP SSSLANISSS PKGSPSSSRK SGTSCPSSKN SSPNSSPRTL
GRSKGRLRLP QIGSKNKPSS SKKNLDASKE NGAGQICELA DALSRGHMRG GSQPELVTPQ
DHEVALANGF LYEHEACGNG CGDGYSNGQL GNHSEEDSTD DQREDTHIKP IYNLYAISCH
SGILSGGHIY TYAKNPNCWK YCYNDSCEE LHPDEIDTDS AYILFYEQQG IDYAQFLPKI
DGKKMADTSS TDESESDYE KYSLMQ

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the

Product Details

mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	USP6
Alternative Name:	USP6 (USP6 Products)
Background:	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). {ECO:0000269 PubMed:15509780, ECO:0000269 PubMed:16127172, ECO:0000269 PubMed:19077034, ECO:0000269 PubMed:20418905}.
Molecular Weight:	158.7 kDa
UniProt:	P35125

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
--------------------	---

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Comment:

ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

The buffer composition is at the discretion of the manufacturer.

Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice:

Avoid repeated freeze-thaw cycles.

Storage:

-80 °C

Storage Comment:

Store at -80°C.

Expiry Date:

12 months