

Datasheet for ABIN3096278  
**URB2 Protein (AA 1-1524) (Strep Tag)**



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1 Image

Overview

Quantity:	1 mg
Target:	URB2
Protein Characteristics:	AA 1-1524
Origin:	Human
Source:	Tobacco ( <i>Nicotiana tabacum</i> )
Protein Type:	Recombinant
Purification tag / Conjugate:	This URB2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MAAVYSGISL KLKSKTTSWE DKLKLAFHAW ISHQCFLPNK EQVLLDWARQ SLVAFYKKKL  
ELKEDIVERL WIYIDNILHS RKLQNLLKNG KTINLQISLV KIINERVAEF SLGSGQRNIC AVLRCCQGIL  
STPALAVIYT AKQELMVALL SQLCWSACRQ PEGAVVAQLF EVIHLALGHY LLILQQQVNP  
RRAFQDVTAH LLQPCLVLRH LLSGGTWTQA GQGQLRQVLS RDIRSQIEAM FRGGIFQPEL  
LSSYKEGLLD QQQGDVKTGA MKNLLAPMDT VLNRLVDAGY CAASLHTSVV ANSVALLYKL  
FLDSYFKEGN QLLCFQVLP RFGCLKISHL QEEQSKALST SDWTELLVV EQLLSNVANN  
NIYNIAADRI RHEEAQFRFY RHVAELLINH AQAPIPAWFR CLKTLISLNH LILEPDLDDL  
LASAWIDAEV TEFRTKKAQE ALIRTVFQTY AKLRQVPRLF EEVLGVICRP AAALRQPVL  
ASGPSTVLSA CLELPPSQI LDTWSLVLEK FQSLVLPYLQ SDADMALKSL SLSLLHCIM  
FNMRLDSST PLPIVRRQC MMERMMRELV QPLLALLPDT PGPEPELWLQ KVSDSVLLLS  
YTWAQVDAMF SLNCSQYHSM SGPLIGVALE ISNLPSSLPG VKTQHWKKIE KFTAQFSSLG  
TYCLEQLYLQ KMKRTLMTS FRSEGAIQSL RCDAAFIIGS GRKSLNQRRT ASWDGQVGMV

SGLTYPVAHW HLIVSNLTIL ISYLCRDDVG YLASVLLRTL PMGKAQEVSI DEEAYITLTK  
ISKAFHLSPL FPEMQSLHSA FLTCVTTSCS SILCSGAQRD SGLVSQQLPW LFEKDHMMVVG  
HWENRFAKAG PEGIEPRGEI AQNLLSLVKS DFPIQLEGEQ LESILGLLEV ISALQLDSSL  
PPYHVHYFLV LLSMAVTKLG CSCSSSLALK FLTTCYQLLG YLQKGSARS VFKIMYGSDI  
FEVLTSLFR ASSRFLIEMD DPAWLEFLQV IGTFLLEELMQ MLIQMKLSLV LNFRKITAFL  
SSSKPYTEAA SSKQLENQNP QGRQLLLVSL TRLCHVLGPF LKEQKLGQEA PAALSELLQQ  
VVLQTGAVLQ LCSVPGARGW RLPSVLISSV STLLEADLGQ HCRDGGADIS QGSDRTLLSH  
VALYQGVYSQ ILLELPALAG HDQSFQAALQ FLTLFFLAPE LHPKKDSVFT SMFHSVRRVL  
ADPEIPVQVT QDIEPHLGAL FTQMLEVGT EDLRLVMQCI LQGLDVSNMW KADVQAVVSA  
VTLRLLLLNC PLSGEKASLL WRACPQIVTA LTLNREASQ EQPVSLTVVG PVLDVLAALL  
RQGEEAIGNP HHVSLAFSIL LTVPLDHLKP LEYGSVFPRL HNVLFSILQC HPKVMLKAIP  
SFLNSFNRLV FSVMREGRQK DKGSIDDLPT VLKCARLVER MYSHIAARAE EFAVFSPFMV  
AQYVLEVQKV TLYPAVKSL QEGIYLIDL CIEPDVQFLR ASLQPGMRDI FKELYNDYLK  
YHKAKHEGEK RYTA

**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.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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.

## Product Details

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- 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!

### Concentration:

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

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Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

## Target Details

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Target:	URB2
Alternative Name:	URB2 ( <a href="#">URB2 Products</a> )
Background:	Unhealthy ribosome biogenesis protein 2 homolog,FUNCTION: Essential for hematopoietic stem cell development through the regulation of p53/TP53 pathway. {ECO:0000250 UniProtKB:B0V0U5}.
Molecular Weight:	170.5 kDa
UniProt:	<a href="#">Q14146</a>

## Application Details

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**Application Notes:** In addition to the applications listed above we expect the protein to work for functional studies 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. If you have a special request, please contact us.

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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:** Unlimited (if stored properly)

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**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process