Datasheet for ABIN3096209

UBAP2 Protein (AA 1-1119) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	UBAP2
Protein Characteristics:	AA 1-1119
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBAP2 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	MMTSVSSDHC RGAREKPQIS AAQSTQPQKQ VVQATAEQMR LAQVIFDKND SDFEAKVKQL MEVTGKNQDE CIVALHDCNG DVNKAINILL EGNSDTTSWE TVGCKKKNFA KENSENKENR EKKSEKESSR GRGNNNRKGR GGNRGREFRG EENGIDCNQV DKPSDRGKRA RGRGFGRGRG RGAGRFSTQG MGTFNPADYS DSTSTDVCGT KLVVWEAAQN GADEGTELAS NTHNIAQDLS NKSSYGLKGA WKNSVEEWTT EDWTEDLSET KVFTASSAPA ENHILPGQSI DLVALLQKPV PHSQASEANS FETSQQQGFG QALVFTNSQH NNQMAPGTGS STAVNSCSPQ SLSSVLGSGF GELAPPKMAN ITSSQILDQL KAPSLGQFTT TPSTQQNSTS HPTTTTSWDL KPPTSQSSVL SHLDFKSQPE PSPVLSQLSQ RQQHQSQAVT VPPPGLESFP SQAKLRESTP GDSPSTVNKL LQLPSTTIEN ISVSVHQPQP KHIKLAKRRI PPASKIPASA VEMPGSADVT GLNVQFGALE FGSEPSLSEF GSAPSSENSN QIPISLYSKS LSEPLNTSLS MTSAVQNSTY TTSVITSCSL TSSSLNSASP VAMSSSYDQS SVHNRIPYQS PVSSSESAPG TIMNGHGGGR SQQTLDTPKT

TGPPSALPSV SSLPSTTSCT ALLPSTSQHT GDLTSSPLSQ LSSSLSSHQS SLSAHAALSS STSHTHASVE SASSHQSSAT FSTAATSVSS SASSGASLSS SMNTANSLCL GGTPASASSS SSRAAPLVTS GKAPPNLPQG VPPLLHNQYL VGPGGLLPAY PIYGYDELQM LQSRLPVDYY GIPFAAPTAL ASRDGSLANN PYPGDVTKFG RGDSASPAPA TTPAQPQQSQ SQTHHTAQQP FVNPALPPGY SYTGLPYYTG MPSAFQYGPT MFVPPASAKQ HGVNLSTPTP PFQQASGYGQ HGYSTGYDDL TQGTAAGDYS KGGYAGSSQA PNKSAGSGPG KGVSVSSSTT GLPDMTGSVY NKTQTFDKQG FHAGTPPPFS LPSVLGSTGP LASGAAPGYA PPPFLHILPA HQQPHSQLLH HHLPQDAQSG SGQRSQPSSL QPKSQASKPA YGNSPYWTN

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 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:

Product Details

- 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:	UBAP2
Alternative Name:	UBAP2 (UBAP2 Products)
Background:	Ubiquitin-associated protein 2 (UBAP-2) (RNA polymerase II degradation factor UBAP2),FUNCTION: Recruits the ubiquitination machinery to RNA polymerase II for polyubiquitination, removal and degradation, when the transcription-coupled nucleotide excision repair (TC-NER) machinery fails to resolve DNA damage (PubMed:35633597). May promote the degradation of ANXA2 (PubMed:27121050). {ECO:0000269|PubMed:27121050, ECO:0000269|PubMed:35633597}.
Molecular Weight:	117.1 kDa
UniProt:	Q5T6F2
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

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.
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

Application Details

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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