Datasheet for ABIN3137220

UBE4B Protein (AA 1-1173) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	UBE4B
Protein Characteristics:	AA 1-1173
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE4B protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MEELSADEIR RRRLARLAGG QTSQPTTPLT SPQRENPPGP PIAASAPGPS QSLGLNVHNM TPATSPIGAA GVAHRSQSSE GVSSLSSSPS NSLETQSQSL SRSQSMDIDG VSCEKSMSQV DVDSGIENME VDENDRREKR SLSDKEPSSG PEVSEEQALQ LVCKIFRVSW KDRDRDVIFL SSLSAQFKQN PKEVFSDFKD LIGQILMEVL MMSTQTRDEN PFASLTATSQ PIATAARSPD RNLMLNTGSS SGTSPMFCNM GSFSTSSLSS LGASGGASNW DSYSDHFTIE TCKETDMLNY LIECFDRVGI EEKKAPKMCS QPAVSQLLSN IRSQCISHTA LVLQGSLTQP RSLQQPSFLV PYMLCRNLPY GFIQELVRTT HQDEEVFKQI FIPILQGLAL AAKECSLESD YFKYPLMALG ELCETKFGKT HPMCNLVASL PLWLPKSLSP GSGRELQRLS YLGAFFSFSV FAEDDAKVVE KYFSGPAITL ENTRVVSQSL QHYLELGRQE LFKILHSILL NGETREAALS YMAALVNANM KKAQMQADDR LVSTDGFMLN LLWVLQQLST KIKLETVDPT YIFHPRCRIT LPNDETRINA TMEDVNERLT ELYGDQPPFS EPKFPTECFF LTLHAHHLSI LPSCRRYIRR LRAIRELNRT

VEDLKNNESQ WKDSPLATRH REMLKRCKTQ LKKLVRCKAC ADAGLLDESF LRRCLNFYGL LIQLMLRILD PAYPDVTLPL NSEVPKVFAA LPEFYVEDVA EFLFFIVQYS PQVLYEPCTQ DIVMFLVVML CNQNYIRNPY LVAKLVEVMF MTNPSVQPRT QKFFEMIENH PLSTKLLVPS LMKFYTDVEH TGATSEFYDK FTIRYHISTI FKSLWQNIAH HGTFMEEFNS GKQFVRYINM LINDTTFLLD ESLESLKRIH EVQEEMKNKE QWDQLPRDQQ QARQSQLAQD ERVSRSYLAL ATETVDMFHL LTKQVQKPFL RPELGPRLAA MLNFNLQQLC GPKCRDLKVE NPEKYGFEPK KLLDQLTDIY LQLDCARFAK AIADDQRSYS KELFEEVISK MRKAGIKSTI AIEKFKLLAE KVEEIVAKNA RAEIDYSDAP DEFRDPLMDT LMTDPVRLPS GTVMDRSIIL RHLLNSPTDP FNRQMLTESM LEPVPELKEQ IQAWMREKQS SDH

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!

Product Details

	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:	UBE4B
Alternative Name:	Ube4b (UBE4B Products)
Background:	Ubiquitin conjugation factor E4 B (EC 2.3.2.27) (RING-type E3 ubiquitin transferase E4 B) (Ubiquitin fusion degradation protein 2),FUNCTION: Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases (PubMed:11435423). May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase (By similarity). May regulate myosin assembly in striated muscles together with STUB1 and VCP/p97 by targeting myosin chaperone UNC45B for proteasomal degradation (By similarity). {ECO:0000250|UniProtKB:O95155, ECO:0000250|UniProtKB:P54860, ECO:0000269|PubMed:11435423}.
Molecular Weight:	133.3 kDa
UniProt:	Q9ES00

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.

Application Details

	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