Datasheet for ABIN3094210

IVNS1ABP Protein (AA 1-642) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	IVNS1ABP
Protein Characteristics:	AA 1-642
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IVNS1ABP protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MIPNGYLMFE DENFIESSVA KLNALRKSGQ FCDVRLQVCG HEMLAHRAVL ACCSPYLFEI FNSDSDPHGI SHVKFDDLNP EAVEVLLNYA YTAQLKADKE LVKDVYSAAK KLKMDRVKQV CGDYLLSRMD VTSCISYRNF ASCMGDSRLL NKVDAYIQEH LLQISEEEEF LKLPRLKLEV MLEDNVCLPS NGKLYTKVIN WVQRSIWENG DSLEELMEEV QTLYYSADHK LLDGNLLDGQ AEVFGSDDDH IQFVQKKPPR ENGHKQISSS STGCLSSPNA TVQSPKHEWK IVASEKTSNN TYLCLAVLDG IFCVIFLHGR NSPQSSPTST PKLSKSLSFE MQQDELIEKP MSPMQYARSG LGTAEMNGKL IAAGGYNREE CLRTVECYNP HTDHWSFLAP MRTPRARFQM AVLMGQLYVV GGSNGHSDDL SCGEMYDSNI DDWIPVPELR TNRCNAGVCA LNGKLYIVGG SDPYGQKGLK NCDVFDPVTK LWTSCAPLNI RRHQSAVCEL GGYLYIIGGA ESWNCLNTVE RYNPENNTWT LIAPMNVARR GAGVAVLNGK LFVCGGFDGS HAISCVEMYD PTRNEWKMMG NMTSPRSNAG IATVGNTIYA VGGFDGNEFL NTVEVYNLES NEWSPYTKIF QF

Product Details

	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: • 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).

Product Details

Grade:	custom-made

Target Details

Target:	IVNS1ABP
Alternative Name:	IVNS1ABP (IVNS1ABP Products)
Target Type:	Influenza Protein
Background:	Influenza virus NS1A-binding protein (NS1-BP) (NS1-binding protein) (Aryl hydrocarbon receptor-associated protein 3) (Kelch-like protein 39),FUNCTION: Involved in many cell functions, including pre-mRNA splicing, the aryl hydrocarbon receptor (AHR) pathway, F-actin organization and protein ubiquitination. Plays a role in the dynamic organization of the actin skeleton as a stabilizer of actin filaments by association with F-actin through Kelch repeats (By similarity). Protects cells from cell death induced by actin destabilization (By similarity). Functions as modifier of the AHR/Aryl hydrocarbon receptor pathway increasing the concentration of AHR available to activate transcription (PubMed:16582008). In addition, functions as a negative regulator of BCR(KLHL20) E3 ubiquitin ligase complex to prevent ubiquitin-mediated proteolysis of PML and DAPK1, two tumor suppressors (PubMed:25619834). Inhibits pre-mRNA splicing (in vitro) (PubMed:9696811). {ECO:0000250|UniProtKB:Q920Q8, ECO:0000269|PubMed:16582008, ECO:0000269|PubMed:25619834, ECO:0000269|PubMed:9696811}., FUNCTION: (Microbial infection) Involved in the alternative splicing of influenza A virus M1 mRNA through interaction with HNRNPK, thereby facilitating the generation of viral M2 protein. {ECO:0000269|PubMed:23825951, ECO:0000269|PubMed:9696811}.
Molecular Weight:	71.7 kDa
UniProt:	Q9Y6Y0
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

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

Application Details

	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