Datasheet for ABIN3091294

CCDC93 Protein (AA 1-631) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	CCDC93
Protein Characteristics:	AA 1-631
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC93 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MGLPRGPEGQ GLPEVETRED EEQNVKLTEI LELLVAAGYF RARIKGLSPF DKVVGGMTWC ITTCNFDVDV DLLFQENSTI GQKIALSEKI VSVLPRMKCP HQLEPHQIQG MDFIHIFPVV QWLVKRAIET KEEMGDYIRS YSVSQFQKTY SLPEDDDFIK RKEKAIKTVV DLSEVYKPRR KYKRHQGAEE LLDEESRIHA TLLEYGRRYG FSRQSKMEKA EDKKTALPAG LSATEKADAH EEDELRAAEE QRIQSLMTKM TAMANEESRL TASSVGQIVG LCSAEIKQIV SEYAEKQSEL SAEESPEKLG TSQLHRRKVI SLNKQIAQKT KHLEELRASH TSLQARYNEA KKTLTELKTY SEKLDKEQAA LEKIESKADP SILQNLRALV AMNENLKSQE QEFKAHCREE MTRLQQEIEN LKAERAPRGD EKTLSSGEPP GTLTSAMTHD EDLDRRYNME KEKLYKIRLL QARRNREIAI LHRKIDEVPS RAELIQYQKR FIELYRQISA VHKETKQFFT LYNTLDDKKV YLEKEISLLN SIHENFSQAM ASPAARDQFL RQMEQIVEGI KQSRMKMEKK KQENKMRRDQ LNDQYLELLE KQRLYFKTVK EFKEEGRKNE MLLSKVKAKA S

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:	CCDC93
Alternative Name:	CCDC93 (CCDC93 Products)
Background:	Coiled-coil domain-containing protein 93,FUNCTION: Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels. The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1 (PubMed:28892079, PubMed:25355947). Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery, the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes and is dependent on its interaction with WASHC2C (PubMed:25355947). {ECO:0000269|PubMed:25355947, ECO:0000269|PubMed:28892079}., FUNCTION: (Microbial infection) The CCC complex, in collaboration with the heterotrimeric retriever complex, mediates the exit of human papillomavirus to the cell surface. {ECO:0000269|PubMed:28892079}.
Molecular Weight:	73.2 kDa
UniProt:	Q567U6

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 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

Application Details

	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