Datasheet for ABIN3135143

CCDC88B Protein (AA 1-1481) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	CCDC88B
Protein Characteristics:	AA 1-1481
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC88B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MEGAKGPRLR GFLSGSLATW ALGLAGLVGE AEESAGGTEE EEEEEEEGA LCTEKRFLRL IDGALLLRVL GIIAPSSRGG LRMVRGRDGP AACRMWNLCH LWGRLRDFYQ EELQLLILSP PPDLQTMGCD PFSEEAVDEL ESILRLLLGA SVQCEHRELF IRHIRGLSLD VQSELAGAIQ EVTQPGAGVV LALAGPESGE LVAEELEMQL RSLTGMMSRL ARERDLGAQR LAELLLEREP AHLLLPEAPA NASAEGVSHH LALQLTNAKA QLRRLRQEVE EKAEQLLDSQ AEVQGLEAEI RRLRQETQAL SAQAKRAELY REEAEALRER AGRLPRLQEE LRRCREKLQA AEVFKGQLEE ERVLSEALEA SKVLLEEQLE VARERSARLH ETQRENLLLR TRLGEAHADL DSLRHQLEQL VEENVELELE LQRSLEPPPG SPGEASLPGA APSLQDEVRE AEAGRLRAVE RENRELRGQL QMLQAQLGSQ HPLLEEQREN SRQPPVPNRD PATPSALHHS PQSPACQIGG EGSESLDLPS PASYSDITRS PKCSQAPDSH PELESPLQMV SQDPQTSDQA LQESDPTVET HQCLEKSGHR VPLQSPIVWD PPQGPEVRIE VQELLGETGS REAPQGELVH KAQVLKQESP KCRPRSAELT

LREPLKDQKA LDRELELSKQ QKETGRHEQR PKGLESKLGP QKPQQTSEGV PDAWSREEPT PGETLVSAIP EEQALRDEVA QLRREVAGLE VKLQAQAQRL EARSAEALCL SEELAQARRT EAEAHQEAEA QAREQARLRE AVDTASLELE AASREREALA EALAAAGRER RQWERDGPRL RAQVEAAEQQ VQALESQVRC HLEEAEREHA EKQALREELE KAVLRGQELG DRLEHLQEEL EQAALERQKF LQEQENQHQR YRHLEQRLEA ELQAASTSKE EALMELKARA LQLEEELIQL RQYPVDLATG ARAGPRTVET QNGRLIEVER NNATLVAEKA ALQGQLQHLE GQLGSLQGRA QELLLQSQRA QEHSSRLQAE KSMMEMQGQE LHRKLGVLEE EVRAARRAQE ETRGQQQALL RDHEALVQLQ RRQETELEGL LVRHRDLKAN MRALELAHRE LQGRHEQLQA QRANVEAQEV ALLAERERLM QDGHRQRGLE EELRRLQNEH ERAQMLLAEV SRERGELQGE RGELRSRLAR LELERAQLEI QSQQLRESNQ QLDLSACRLT TQCELLTQLR SAQEEENRQL LAEVQALSRE NRELLERSLE SRDHLHREQR EYLDQLNALR REKQKLVEKI MDQYRVLEPG PLPRTKKGSW LADKVKRLIR PRREGALHGG PRLGADGAGS TESLGGPLET ELPEGREADG TGSSSPAPMR RVQSSLCLGD ETLAGGQRRR LSSRFPGGRS SASFSPGDTP RQRFRQRRPG PLGAPSTHSK GSGVEWDGSI KTLSEHEADD TREAFQEQKP EKQFLTPSLS Q

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

Product Details

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).
Grade:	made-to-order

Target Details

Target:	CCDC88B
Alternative Name:	Ccdc88b (CCDC88B Products)
Background:	Coiled-coil domain-containing protein 88B (Gipie) (Hook-related protein 3) (HkRP3),FUNCTION: Acts as a positive regulator of T-cell maturation and inflammatory function. Required for several functions of T-cells in both the CD4(+) and the CD8(+) compartments and this includes expression of cell surface markers of activation, proliferation, and cytokine production in response to specific or non-specific stimulation and during the course of infection with the mouse malaria parasite Plasmodium berghei (PubMed:25403443). Enhances NK cell cytotoxicity by positively regulating polarization of microtubule-organizing center (MTOC) to cytotoxic synapse, lytic granule transport along microtubules, and dynein-mediated clustering to MTOC (By similarity). Interacts with HSPA5 and stabilizes the interaction between HSPA5 and ERN1, leading to suppression of ERN1-induced JNK activation and endoplasmic reticulum stress-induced apoptosis (PubMed:21289099). {ECO:0000250|UniProtKB:A6NC98, ECO:0000269|PubMed:21289099, ECO:0000269|PubMed:25403443}.
Molecular Weight:	166.6 kDa
UniProt:	Q4QRL3

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 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