

Datasheet for ABIN3135573

## CCDC18 Protein (AA 1-1455) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	CCDC18
Protein Characteristics:	AA 1-1455
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC18 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AlIcE®
Sequence:	<p>MEFISSDYCT KDNDNEEESL LANVASLRHE LKITEWSLHN LGEELSSVSP SENSEYVCSP</p> <p>SRSERLILEE LTQPSHLGRL IYPPYKKVCK TSDSTDYQKK SRDQVSFSSV SMDQEVKNLR</p> <p>EKLHKLRQQN ACLVTQNHSL MTKIESVHFE LTQSKAKIAM LESAQEQAAN IPILEEQIIN</p> <p>LEAEVSAQDK VLREAEDKLE QSQKMVIEKE HSLQEAKEEC IKLKVDLLEQ SKQGKRAERQ</p> <p>RNEALYNAAE LSKAFQLYKE KVAEKLEKVQ DEEEILERNL SNCEKENKRL QEKCNLYKSE</p> <p>LEILKEKFRE LKEEHYSGKE KLMIMAMKNS EVMSQLTESR QCILKLEREL EDKDEIVREK</p> <p>FSLLENREL KVRVATQNER LELCQQDIDN SRVELKSLEK LITQIPLKRE IVGFRSSLCK</p> <p>HQRSSVSDKE DKCIGCCEAN KLMISELRIK LAIREAEIQK LHANLTVNQL SQNVANDSQE</p> <p>CGKVNTLETE PVKLGGSQVE SIKDGDQQTV NKQYEREKQR LATGIEELRA KLTQIEAENS</p> <p>DLKVNMAHRT SQFQLIQEEL LEKASNASKL ENEMTKKCSQ LLILEKQLEE KIIAYSSIAA</p> <p>KNAELEQELM EKNEKIRSLE SNINTEHEKI CFAFEKAKKI HLEQHKEMEK QIEQLETQLE</p>

KRDQQFKEQE KTMSILQQDI LCKQHHLESL DRLLTESKVE MEKENMKKDE ALKALQIHVS  
EETIKVRQLD SALEICKEEL ALHLNQLERN KEKFERQLKK KSEEVYCLQK ELKIKTHNLE  
ETSEQNAILQ HTLQQQQQML QQETMRNGEL EDTQSKLEKQ VSKQEQLQK QRESSTEKLK  
KMEEKYETAI REVDLKRQKI IELTGARQA KLEMDQYKEE LSKMEKEIHH LKRDGENKSM  
QLSQLDMVLD QTKTELEKTT NSVKELERLQ HHTETELTET MQKREALENE LQNAHGELKS  
TLRQLQELRD VLQKAQLSLE EKYTTIKDLT AELRECKMEI EDKKQELIEM DQALKERNWE  
LKQRAAQVTH LDMTIREHRG EMEQKIIKLE GTLEKSELEL KECNKQVESL NEKLQNAKEQ  
LREKEFIMLQ NEQEISQLKK EIERTQQRMK EMESVIKEQE DYIATQYKEV IDLGQELRLT  
QEQMQNTHSE LVEARRQEVQ AQREIERLAG ELEDIKQLSK EKEAHGNRLA EELGASQVRE  
AHLEARMQAE IKKLSSEVDS LKEAYQIEMI SHQENHAKWK LSAESQKTSV QQLNEQLEKA  
KQELEEAQDT VSNLHQQVQD RNEVIEAANE ALLIKESELT RLQAKISGHE KTEDTKYLPA  
PFTTLTEIIP DSQHPNFAKH SQISLFKCRK LRRSISASDL SFKSHGNDDL SEELLQDLKK  
MQFEQTSIAE SGHKDLPLTH SESFKPLPYN LEDDSSESND FSTLSGMLRY INKEVRLLKK  
SSLQTATGLS QGGKL

**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.**

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### 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:	custom-made

## Target Details

Target:	CCDC18
Alternative Name:	Ccdc18 ( <a href="#">CCDC18 Products</a> )
Background:	Coiled-coil domain-containing protein 18
Molecular Weight:	169.7 kDa
UniProt:	<a href="#">Q640L5</a>

## 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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

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