

Datasheet for ABIN3131142
CCDC171 Protein (AA 1-1324) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	CCDC171
Protein Characteristics:	AA 1-1324
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC171 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MSLNTSSNAT PGDTQRLKNA SLDVKQMLKN ETESDIADL RKKLHRAKKE KLEMTTKHNA</p> <p>ELSSYESQIA RLRSEVEKGE ALRQRLEYDL AVARKEAGLG RRAAEERLAE AQRIQERLCA</p> <p>QNSELQGKAN EIEKTFQISQ EKWREECRRF EHDLEERDNI IQNCNQEYES LMQEKTRLQK</p> <p>TLQEILEKHE QEKTELESRV RETALGEFRL QTEEWEAERR ELQLIVQEQD SAVQSMQKKV</p> <p>EQLEAEHMDC SDLLRRQTSE LEFSTQREER LRKEFEATTL RVRKLEENIE AERAAHLESK</p> <p>FNSEIIQLRI RDLEGALQVE KASQAEAVAD LEMIKNEFKE VESAYEREKQ NTQESCAKLN</p> <p>LLEREYFSQN KKLNEEIEDQ KKVIIDLSKR LQYNEKSCGE LQEELVMAKK HQAFLVETCE</p> <p>NNVRELESIL GSFSVSAQWT SGVHKDKDKP PSFSVVLETL RRTLTDYQNK LEDASNEEKT</p> <p>SNELDSTKQK IETHIKNTKE LQDKLTEVHK ELSHLRAKCA DREALITSLK VELQNVLHCW</p> <p>EKEKACAAQC ESELQKLSQA FQKDSEEKLT FLHTLYQHLV AGCVLIKQPE GMLDKFSWSE</p> <p>LCAVLQENVND ALIADLNRRAN EKISHLEYIC KNKSDTMREL QQTQEDTFNK VAEQIKAQES</p>

CWQKQKKELE FQYSELLLEV QRRQKFQEI AEKNSEKLN IETSHEQLVR ENSHFKTTLS
RTQREQTCLL AACALMAGAL CPLYSRSCAL STQRDFLQEQ VNSLELFKLE IRTLAQALSA
VDEKKQEEAK TKKTKFKGLV RVFRKGVIAI LAANRLKLLG QSCAFLFTWM ESCKEGIGML
VCTGEPKDKR QFPKHQREQL RCLQALAWLT SSDLLGTVIS SMTELQEVIS KTDPNSTRICG
HLLIGAANKS FAKLMDKLSS AMASIPLHSS RSITYVEKDS LVQRLARGLH KVNTLALKYG
LCSHIPIMKS TAALQKQIFG FTQRLHAAEV ERRSLRLEVT EYKRTVHEMK KELDKSQSLQ
TQLNEFKHSK LITHEKFESA CEELNNALLR EQQAQMLLNE QAQQLQELNY RLELHSSEEA
DKNQTLGEAV KSLSEAKMEL RRKDQSLRQL NRHLTQLEQD KRRLEENIRD AESALRMAAK
DKECVANHMR TIENMLHKVR DQISLSRTAA TRNDFTLQLP KLHLET FAME GLQGGPEVVA
CQAMIKSFMD VYQLASARIS TLEKEMTSR SHIATLKSEL HTACLRENES LQSMGSRDHS
NLSVPSRAAA PMDTVGDLLP LQAELDTTYT FLKETFVNTA PHSLSQSSP GVPTNAKRPS QIGL

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 -

Product Details

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:	CCDC171
Alternative Name:	Ccdc171 (CCDC171 Products)
Background:	Coiled-coil domain-containing protein 171
Molecular Weight:	152.3 kDa
UniProt:	E9Q1U1

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 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</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