

Datasheet for ABIN3122919

CCL17 Protein (AA 1-741) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	CCL17
Protein Characteristics:	AA 1-741
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL17 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MIHMLNAAAY RVKWTRSGAA KRAACLVA AAA YALKTLYP II GKRLKQPGHR KAKAEAYSPA</p> <p>ENREILHCTE IICKKPAPGL NAAFFKQLLE LRKILFPKLV TTETGWLCLH SVALISRTFL</p> <p>SIYVAGLDGK IVKSIVEKKP RTFIIKLIKW LMIAIPATFV NSAIRYLECK LALAFRTRLV DHAYETYFAN</p> <p>QTYKVINMD GRLANPDQSL TEDIMMFSQS VAHLYSNLTK PILDVILTSY TLIRTATSRG</p> <p>ASPIGPTLLA GLVYATAKV LKACSPKFGS LVAEEAHRKG YLRYVHSRII ANVEEIAFYR</p> <p>GHKVEMKQLQ KCYKALAYQM NLILSKRLWY IMIEQFLMKY VWSSCGLIMV APIITATGF</p> <p>ADGDLEDGPK QAMVSDRTEA FTTARNLLAS GADAIERIMS SYKEITELAG Y TARVYNMFW</p> <p>VFDEVKRGYI KRTVTQEPEN HSKRGGNLEL PLSDTLAIKG TVIDVDHGII CENVPIITPA</p> <p>GEVVASRLNF KVEEGMHLLI TGPNGCGKSS LFRILSGLWP VYEGVLYKPP PQHMFYIPQR</p> <p>PYMSLGSLRD QVIYPDSADD MREKGYTDQD LERILHSVHL YHIVQREGGW DAVMDWKDVL</p> <p>SGGEKQRMGM ARMFYHKPKY ALLDECTSAV SIDVEGKIFQ AAIGAGISLL SITHRPSLWK</p>

YHTHLLQFDG EGGWRFEQLD TAIRLTLSEE KQKLESQLAG IPKMQQRLNE LCKILGEDSV
LKTITQAEKT S

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®).

Product Details

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: CCL17

Alternative Name: Abcd2 ([CCL17 Products](#))

Background: ATP-binding cassette sub-family D member 2 (EC 3.1.2.-) (EC 7.6.2.-) (Adrenoleukodystrophy-related protein),FUNCTION: ATP-dependent transporter of the ATP-binding cassette (ABC) family involved in the transport of very long chain fatty acid (VLCFA)-CoA from the cytosol to the peroxisome lumen (By similarity). Like ABCD1 seems to have fatty acyl-CoA thioesterase (ACOT) and ATPase activities, according to this model, VLCFA-CoA as free VLCFA is transported in an ATP-dependent manner into peroxisomes after the hydrolysis of VLCFA-CoA mediated by the ACOT activity of ABCD2 (By similarity). Shows overlapping substrate specificities with ABCD1 toward saturated fatty acids (FA) and monounsaturated FA (MUFA) but has a distinct substrate preference for shorter VLCFA (C22:0) and polyunsaturated fatty acid (PUFA) such as C22:6-CoA and C24:6-CoA (in vitro) (By similarity). Thus, may play a role in regulation of VLCFAs and energy metabolism namely, in the degradation and biosynthesis of fatty acids by beta-oxidation (PubMed:18854420, PubMed:16223892). {ECO:0000250|UniProtKB:P33897, ECO:0000250|UniProtKB:Q9UBJ2, ECO:0000269|PubMed:16223892, ECO:0000269|PubMed:18854420}.

Molecular Weight: 83.5 kDa

UniProt: [Q61285](#)

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

Application Details

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