

Datasheet for ABIN7553561  
**CTCFL Protein (AA 1-663) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CTCFL
Protein Characteristics:	AA 1-663
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTCFL protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CTCFL Protein expressed in mammalian cells.
Sequence:	<p>MAATEISVLS EQFTKIKELE LMPEKGLKEE EKDGVCREKD HRSPSELEAE RTSGAFQDSV LEEEVELVLA PSEESEKYIL TLQTVHFTSE AVELQDMSLL SIQQQEGVQV VVQQPGPGLL WLEEGPRQSL QQCVAISIQQ ELYSPQEMEV LQFHALEENV MVASEDSKLA VSLAETTGLI KLEEEQEKDQ LLAERTKEQL FVETMSGDE RSDEIVLTVS NSNVEEQEDQ PTAGQADAEK AKSTKNQRKT KGAKGTFHCD VCMFTSSRMS SFNRHMKHTHT SEKPHLCHLC LKTFRTVTLL RNHVNTHTGT RPYKCNDCNM AFVTSGELVR HRRYKHTHEK PFKCSMCKYA SVEASKLKRH VRSHTGERPF QCCQCSYASR DTYKLRHMR THSGEKPYEC HICHTRFTQS GTMKIHILQK HGENVPKYQC PHCATIARK SDLRVHMRNL HAYSAAELKC RYCSAVFHER YALIQHQKTH KNEKRFCKKH CSYACKQERH MTAHIRHTG EKPFCLSCN KCFRQKQLLN AHFRKYHDAN FIPTVYKCSK CGKGFSRWIN LHRHSEKCGS GEAKSAASGK GRRTRKRKQT ILKEATKGQK EAAKGWKEAA NGDEAAAEAA STTKGEQFPG EMFPVACRET TARVKEEVDE GVTCEMLLNT MDK</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b></p>

## Product Details

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**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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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: CTCFL

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Alternative Name: CTCFL ([CTCFL Products](#))

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Background: Transcriptional repressor CTCFL (Brother of the regulator of imprinted sites) (CCCTC-binding factor) (CTCF paralog) (CTCF-like protein) (Cancer/testis antigen 27) (CT27) (Zinc finger protein CTCF-T),FUNCTION: Testis-specific DNA binding protein responsible for insulator function, nuclear architecture and transcriptional control, which probably acts by recruiting epigenetic chromatin modifiers. Plays a key role in gene imprinting in male germline, by participating in the establishment of differential methylation at the IGF2/H19 imprinted control region (ICR). Directly binds the unmethylated H19 ICR and recruits the PRMT7 methyltransferase, leading to methylate histone H4 'Arg-3' to form H4R3me2. This probably leads to recruit de novo DNA methyltransferases at these sites (By similarity). Seems to act as tumor suppressor. In

## Target Details

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association with DNMT1 and DNMT3B, involved in activation of BAG1 gene expression by binding to its promoter. Required for dimethylation of H3 lysine 4 (H3K4me2) of MYC and BRCA1 promoters. {ECO:0000250, ECO:0000269|PubMed:12011441, ECO:0000269|PubMed:18413740, ECO:0000269|PubMed:18765639}.

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Molecular Weight: 75.7 kDa

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UniProt: [Q8NI51](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months