

Datasheet for ABIN7561942
CTCFL Protein (AA 1-636) (His tag)



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Overview

Quantity:	1 mg
Target:	CTCFL
Protein Characteristics:	AA 1-636
Origin:	Mouse
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>MAAAEVPVPS GYFTQIKEQK LKPGDLEEEK EEDGVQRVEA QEGVVKEVEA ENSCLLLEAR APVESDRRIL TLQTVHLESQ DVHLQGLGWL SVPHSEELSG TVPEAEGILQ LPSVLWLDPE PQLSLQHCVT VSIPEELYPP EELQRIHFHL LRENVLMMAEE NPELTPDLDE STALKKPEED EKDQLPPQGE TDKREERLLL LEMKPKGKGD DEIVLTISHL SLEEQQDPPA ANQTSVPGAK AAKPKRRRQT KGKPQSFQCD TCPFTSSKLS TFNRHIKIHS NERPHLCHLC LKAFRTVTLL RNHVNTHTGT RPHKCRDCDM AFVTSGELVR HRRYKHTYEK PFKCSLCKYA SVEASKMKRH IRSHTGERPF QCCQCAYASR DSYKLRHMR THSGEKPYEC PTCHVRFTQS GTMKIHIAQK HGENVPKYEC PHCATIARK SDLRVHLRNL HSQSPEEMKC RYCPAGFHER YALIQHQRTH KNEKKFKCKQ CDYACKQERC LKAHMRMHTG EKPFSCACN KHFRQKQLLT VHLRKYHDPN FVPNLHLCLK CDKRFSRWSN LQRHRKKCDP EHETLAPNKD RRPVTRTQAS EGEAGHKEGE PQCPGEQALG HQGEAAGSQS PDHGLTCEII FNMMDK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

Product Details

of the protein could make another tag necessary. In case you have a special request, please contact us.

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.

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.

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

Grade: custom-made

Target Details

Target: CTCFL

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

Background: Transcriptional repressor CTCFL (Brother of the regulator of imprinted sites) (CCCTC-binding factor) (CTCF paralog) (CTCF-like protein),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. Seems to act as tumor suppressor. In association with DNMT1 and DNMT3B, involved in activation of BAG1

Target Details

gene expression by binding to its promoter. Required for dimethylation of H3 lysine 4 (H3K4me2) of MYC and BRCA1 promoters. {ECO:0000269|PubMed:17048991}.

Molecular Weight: 73.1 kDa

UniProt: [A2APF3](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months