

Transcriptional repressor CTCFL Recombinant Protein | Ctcfl recombinant protein

Recombinant Mouse Transcriptional repressor CTCFL

CATALOG #
AAA114087

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Transcriptional repressor CTCFL; Recombinant Mouse Transcriptional repressor CTCFL; Brother of the regulator of imprinted sites; CCCTC-binding factor; CTCF paralog; CTCF-like protein; Ctcfl recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-636. Full Length
Sequence	MAAAEVPVPS GYFTQIQEQK LKPGDLEEEK EEDGVQRVEA QEGVVKEVEA ENSCLLEAR APVESDRRIL TLQTVHLESQ DVHLQGLGWL SVPHSEELSG TVPEAEGILQ LPSVLWLDPE PQLSLQHCVT VSIPEELYPP EELQRIHFHL LRENVLMAGEE NPELTPDLDE STALKKPEED EKDQLPPQGE TDKREERLLL LEMKPKEGKD DEIVLTISHL SLEEQQDPPA ANQTSVPGAK AAKPKRRRQT KGKPQSFQCD TCPFTSSKLS TFNRHIKHS NERPHLCHLC LKAFRTVTLL RNHVNTHTGT RPHKCRDCDM AFVTSGELVR HRRYKHTYEK PFKCSLCKYA SVEASKMKRH IRSHTGERPF QCCQCAYASR DSYKLKRHMR 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
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Ctcf1 recombinant protein	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 H4R3sme2. This probably leads to recruit de novo DNA methyltransferases at these sites. Ses to act as tumor suppressor. In 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.
References	BORIS, a novel male germ-line-specific protein associated with epigenetic reprogramming events, shares the same 11-zinc-finger domain with CTCF, the insulator protein involved in reading imprinting marks in the soma.Loukinov D.I., Pugacheva E., Vatolin S., Pack S.D., Moon H., Chernukhin I., Mannan P., Larsson E., Kanduri C., Vostrov A.A., Cui H., Niemitz E.L., Rasko J.E.J., Docquier F.M., Kistler M., Breen J.J., Zhuang Z., Quitschke W.W., Renkawitz R., Klenova E.M., Feinberg A.P., Ohlsson R., Morse H.C. III, Lobanenko V.V.Proc. Natl. Acad. Sci. U.S.A. 99:6806-6811(2002) Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamouisis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009) The testis-specific factor CTCFL cooperates with the protein methyltransferase PRMT7 in H19 imprinting control region methylation.Jelinic P., Stehle J.-C., Shaw P.PLoS Biol. 4:E355-E355(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	124487069
NCBI GeneID	664799
NCBI Accession #	NP_001074856.1
NCBI GenBank Nucleotide #	NM_001081387.2
UniProt Accession #	A2APF3; Q3Y6S0; B9EKP6
Molecular Weight	75.1 kDa
NCBI Official Full Name	transcriptional repressor CTCFL
NCBI Official Synonym Full Names	CCCTC-binding factor (zinc finger protein)-like
NCBI Official Symbol	Ctcf1
NCBI Official Synonym Symbols	Boris; OTTMUSG00000016680
NCBI Protein Information	transcriptional repressor CTCFL
UniProt Protein Name	Transcriptional repressor CTCFL
UniProt Gene Name	Ctcf1
UniProt Synonym Gene Names	Boris
UniProt Entry Name	CTCFL_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ctcf1-recombinant-protein-e-coli/114087>