

CTCFL Blocking Peptide (C-Term)

Synthetic peptide

Catalog # BP21914b

Specification

CTCFL Blocking Peptide (C-Term) - Product Information

Primary Accession

[Q8NI51](#)**CTCFL Blocking Peptide (C-Term) - Additional Information**

Gene ID 140690

Other Names

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, CTCFL, BORIS

Target/Specificity

The synthetic peptide sequence is selected from aa 637-650 of HUMAN CTCFL

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTCFL Blocking Peptide (C-Term) - Protein Information

Name CTCFL

Synonyms BORIS

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 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.

Cellular Location

Cytoplasm. Nucleus.

Tissue Location

Testis specific. Specifically expressed in primary spermatocytes

CTCFL Blocking Peptide (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CTCFL Blocking Peptide (C-Term) - Images**CTCFL Blocking Peptide (C-Term) - Background**

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CTCFL Blocking Peptide (C-Term) - References

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Renaud S., et al. Nucleic Acids Res. 35:7372-7388(2007).
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