

Recombinant Human CTCFL

Cat. No. CTCFL-27664TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 193-293 of Human BORIS with a proprietary tag at N-terminal; Predicted MWt 36.74 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	101 amino acids
Description	CCCTC-binding factor (CTCF), an 11-zinc-finger factor involved in gene regulation, utilizes different zinc fingers to bind varying DNA target sites. CTCF forms methylation-sensitive insulators that regulate X-chromosome inactivation. This gene is a paralog of CTCF and appears to be expressed primarily in the cytoplasm of spermatocytes, unlike CTCF which is expressed primarily in the nucleus of somatic cells. CTCF and the protein encoded by this gene are normally expressed in a mutually exclusive pattern that correlates with resetting of methylation marks during male germ cell differentiation.
Molecular Weight	36.740kDa inclusive of tags
Tissue specificity	Testis specific. Specifically expressed in primary spermatocytes.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AERTKEQLFFVETMSGDERSDEIVLTVSNSNVEEQEDQPTAGQADA EKAKSTKNQR KTKGAKGTFHCDVCMFTSSRMSSFNRHMKHTHTSEKPHLCHLCLKT
Sequence Similarities	Belongs to the CTCF zinc-finger protein family. Contains 11 C2H2-type zinc fingers.

GENE INFORMATION

Gene Name	CTCFL CCCTC-binding factor (zinc finger protein)-like [Homo sapiens]
Official Symbol	CTCFL
Synonyms	CTCFL; CCCTC-binding factor (zinc finger protein)-like; transcriptional repressor CTCFL; BORIS; cancer/testis antigen 27; CT27; dJ579F20.2;
Gene ID	140690
mRNA Refseq	NM_080618
Protein Refseq	NP_542185
MIM	607022
Uniprot ID	Q8NI51
Chromosome Location	20q13.31

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Function

DNA binding; histone binding; metal ion binding; protein binding; sequence-specific
DNA binding;

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