Recombinant Human CTCF 293 Cell Lysate

Cat. No. CTCF-7213HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for CCCTC-binding factor (zinc finger protein) (CTCF) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CTCF CCCTC-binding factor (zinc finger protein) [Homo sapiens]
Official Symbol	CTCF
Synonyms	CTCF; CCCTC-binding factor (zinc finger protein); transcriptional repressor CTCF; 11 zinc finger transcriptional repressor; CTCFL paralog; 11-zinc finger protein;
Gene ID	10664
mRNA Refseq	NM_001191022
Protein Refseq	NP_001177951
MIM	604167
UniProt ID	P49711
Chromosome Location	16q21-q22.3
Pathway	SIDS Susceptibility Pathways, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	chromatin insulator sequence binding; metal ion binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription

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	corepressor activity; transcription regulatory region DNA binding; zinc ion binding;

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