

Recombinant Human CXXC1 293 Cell Lysate

Cat. No. CXXC1-7151HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for CXXC finger 1 (PHD domain) (CXXC1), transcript variant 2 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

CXXC1 CXXC finger protein 1 [Homo sapiens]

Official Symbol

CXXC1

Synonyms

CXXC1; CXXC finger protein 1; CXXC finger 1 (PHD domain); cpG-binding protein; CFP1; CGBP; CpG binding protein; DNA binding protein with PHD finger and CXXC domain; hCGBP; HsT2645; PCCX1; PHF18; SPP1; ZCGPC1; zinc finger; CpG binding type containing 1; CXXC-type zinc finger protein 1; zinc finger, CpG binding-type containing 1; PHD finger and CXXC domain-containing protein 1; DNA-binding protein with PHD finger and CXXC domain; 2410002I16Rik; 5830420C16Rik;

Gene ID

30827

mRNA Refseq

NM_001101654

Protein Refseq

NP_001095124

MIM

609150

UniProt ID

Q9P0U4

Chromosome Location

18q12

Pathway

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation

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of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem;

Function

DNA binding; contributes_to histone methyltransferase activity (H3-K4 specific); metal ion binding; protein binding; unmethylated CpG binding; zinc ion binding;

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