

Recombinant Human CTBP1 293 Cell Lysate

Cat. No. CTBP1-7216HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for C-terminal binding protein 1 (CTBP1), 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 CTBP1 C-terminal binding protein 1 [Homo sapiens]

Official Symbol CTBP1

Synonyms CTBP1; C-terminal binding protein 1; C-terminal-binding protein 1; BARS; brefeldin A ribosylated substrate; brefeldin A-ribosylated substrate; MGC104684;

Gene ID 1487

mRNA Refseq NM_001012614

Protein Refseq NP_001012632

MIM 602618

UniProt ID Q13363

Chromosome Location 4p16

Pathway Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem;

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Function

NAD binding; NAD binding; RNA polymerase II transcription corepressor activity; cofactor binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor; protein C-terminus binding; protein binding; protein domain specific binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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