Recombinant Human NCBP2 293 Cell Lysate

Cat. No. NCBP2-3952HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nuclear cap binding protein subunit 2, 20kDa (NCBP2), transcript variant 1 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	NCBP2 nuclear cap binding protein subunit 2, 20kDa [Homo sapiens]
Official Symbol	NCBP2
Synonyms	NCBP2; nuclear cap binding protein subunit 2, 20kDa; nuclear cap binding protein subunit 2, 20kD; nuclear cap-binding protein subunit 2; Cbc2; CBP20; NIP1; NCBP 20 kDa subunit; NCBP interacting protein 1; NCBP-interacting protein 1; 20 kDa nuclear cap-binding protein; cell proliferation-inducing gene 55 protein; CBC2; PIG55;
Gene ID	22916
mRNA Refseq	NM_001042540
Protein Refseq	NP_001036005
MIM	605133
UniProt ID	P52298
Chromosome Location	3q29
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Cap binding complex, organism-specific biosystem; Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the

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	absence of HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem;
Function	RNA 7-methylguanosine cap binding; NOT RNA binding; RNA cap binding; nucleotide binding; protein binding;

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