Recombinant Human NCBP2 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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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	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,

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	organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the 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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