Recombinant Human NCOA2 293 Cell Lysate

Cat. No. NCOA2-3942HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nuclear receptor coactivator 2 (NCOA2) 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	NCOA2 nuclear receptor coactivator 2 [Homo sapiens]
Official Symbol	NCOA2
Synonyms	NCOA2; nuclear receptor coactivator 2; bHLHe75; GRIP1; KAT13C; NCoA 2; TIF2; hTIF2; transcriptional intermediary factor 2; class E basic helix-loop-helix protein 75; glucocorticoid receptor-interacting protein-1; SRC2; NCoA-2; MGC138808;
Gene ID	10499
mRNA Refseq	NM_006540
Protein Refseq	NP_006531
MIM	601993
UniProt ID	Q15596
Chromosome Location	8q13.3
Pathway	Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Coregulation

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	of Androgen receptor activity, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	PDZ domain binding; chromatin binding; histone acetyltransferase activity; ligand-dependent nuclear receptor binding; ligand-dependent nuclear receptor transcription coactivator activity; nuclear hormone receptor binding; protein binding; signal transducer activity; thyroid hormone receptor coactivator activity; transcription coactivator activity;

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