

Recombinant Human NCOA1 293 Cell Lysate

Cat. No. NCOA1-3943HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nuclear receptor coactivator 1 (NCOA1), 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 [NCOA1 nuclear receptor coactivator 1 \[Homo sapiens \]](#)

Official Symbol NCOA1

Synonyms NCOA1; nuclear receptor coactivator 1; bHLHe74; F SRC 1; KAT13A; NCoA 1; RIP160; SRC1; Hin-2 protein; PAX3/NCOA1 fusion protein; steroid receptor coactivator-1; renal carcinoma antigen NY-REN-52; class E basic helix-loop-helix protein 74; F-SRC-1; bHLHe42; MGC129719; MGC129720;

Gene ID [8648](#)

mRNA Refseq [NM_003743](#)

Protein Refseq [NP_003734](#)

MIM [602691](#)

UniProt ID [Q15788](#)

Chromosome Location 2p23

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; Developmental Biology, organism-specific biosystem; Energy Metabolism, organism-

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specific biosystem;

Function

DNA binding; androgen receptor binding; chromatin binding; enzyme binding; histone acetyltransferase activity; ligand-dependent nuclear receptor binding; ligand-dependent nuclear receptor transcription coactivator activity; nuclear hormone receptor binding; protein N-terminus binding; protein binding; signal transducer activity; transcription coactivator activity; transcription coactivator activity; transferase activity, transferring acyl groups;

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