

## Recombinant Human NCOA1 protein, Biotinylated

Cat. No. NCOA1-373H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The His-tag biotinylated recombinant protein is purified by affinity chromatography in combination with FPLC columns. Then His-tag was removed by protease.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	627-786 aa
<b>Description</b>	<p>Steroid receptor coactivator 1 (SRC1) is a transcriptional coactivator that mediates the activating functions of many of the nuclear hormone receptors. It is also known as NCoA1 and is a member of the SRC/p160 coactivator family. SRC1 has been shown to be over expressed in some cancers. SRC1 is a 160 kDa protein that contains several LXXLL motifs, which are involved in nuclear receptor interaction. The region 627-786 contains 3 LXXLL motifs that are involved in interaction with nuclear hormone receptors and has been previously used in assays detecting ligand-dependent receptor-cofactor interactions. This protein does not contain His tag and will be useful for assays where a native untagged protein is desired. Lane 1 corresponds to 6His-tagged and biotinylated SRC-RID; Lane 2 corresponds to biotinylated SRC-RID without 6His tag.</p>
<b>Form</b>	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
<b>Molecular Mass</b>	19.4 kDa

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<b>AA Sequence</b>	SQTSHKLVQL LTTTAEQQLR HADIDTSCKD VLSCTGTSNS ASANSSGGSC PSSHSSLTERHKILHRLLEQ GSPSDITLTS VEPDKKDSAS TSVSVTGQVQ GNSSIKLELD ASKKKESKDHQLRLRYLLDKD EKDLRSTPNL SLDDVKVKVE KKEQMDPCNT
<b>Purity</b>	Purified biotinylated SRC1-RID is greater than 90% homogeneous based on SDS-PAGE analysis.
<b>Unit Definition</b>	1 unit equals 1 nanogram of purified protein. 100 units are sufficient for a protein-protein interaction assay.
<b>Applications</b>	The biotinylated SCR1-RID (627-786) can be used for protein-protein interaction assays, particularly suitable for high throughput screening (HTS) assays.
<b>Storage</b>	Stored at -70 centigrade before use. Avoid repeated freeze thaw cycles.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	NCOA1 nuclear receptor coactivator 1 [ Homo sapiens ]
<b>Official Symbol</b>	NCOA1
<b>Synonyms</b>	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;
<b>Gene ID</b>	8648

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<b>mRNA Refseq</b>	NM_003743
<b>Protein Refseq</b>	NP_003734
<b>MIM</b>	602691
<b>UniProt ID</b>	Q15788
<b>Chromosome Location</b>	2p23
<b>Pathway</b>	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
<b>Function</b>	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

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