

Recombinant Human NCOA1 protein, Biotinylated

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

SPECIFICATION

Product Overview	The His-tag biotinylated recombinant protein is purified by affinity chromatography in combination with FPLC columns. Then His-tag was removed by protease.
Species	Human
Source	E.coli
ProteinLength	627-786 aa
Description	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.
Form	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
Molecular Mass	19.4 kDa

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

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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
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