SRC1 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	SRC1 (NCOA1), Blocking Peptide
Full Product Name	SRC1 Antibody (N-term) Blocking Peptide
Product Gene Name	NCOA1 blocking peptide
Product Synonym Gene Name	BHLHE74; SRC1
Product Synonym Names	Nuclear receptor coactivator 1; NCoA-1; Class E basic helix-loop-helix protein 74; bHLHe74; Protein Hin-2; RIP160; Renal carcinoma antigen NY-REN-52; Steroid receptor coactivator 1; SRC-1; NCOA1; BHLHE74; SRC1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the N-term region of human SRC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	SRC1 peptide (MBS9227008) is used for blocking the activity of SRC1 antibody (MBS9213496)
Molecular Weight	156,628 Da
OMIM	602691
Cellular Location	Nucleus
Tissue Location	Widely expressed.
Related Product Information for NCOA1 blocking peptide	Nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone-dependent fashion. Involved in the coactivation of different nuclear receptors, such as for steroids (PGR, GR and ER), retinoids (RXRs), thyroid hormone (TRs) and prostanoids (PPARs). Also involved in coactivation mediated by STAT3, STAT5A, STAT5B and STAT6 transcription factors. Displays histone acetyltransferase activity toward H3 and H4; the relevance of such activity remains however unclear. Plays a central role in creating multisubunit coactivator complexes that act via remodeling of chromatin, and possibly acts by participating in both chromatin remodeling and recruitment of general transcription factors. Required with NCOA2 to control energy balance between white and brown adipose tissues. Required for mediating steroid hormone response. Isoform 2 has a higher thyroid hormone-dependent transactivation activity than isoform 1 and isoform 3.
Other Notes	Small volumes of NCOA1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NCOA1 purchase	MBS9227008 is a blocking peptide targeting NCOA1. Also known as SRC1 Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NCOA1. It may not necessarily be applicable to this product.

NCBI GI #	158518533
NCBI GeneID	8648
NCBI Accession #	Q15788.3
UniProt Primary Accession #	Q15788
UniProt Secondary Accession #	O00150; O43792; O43793; Q13071; Q13420; Q2T9G5; Q53SX3; Q6GVI5; Q7KYV3

UniProt Related Accession #	Q15788
NCBI Official Full Name	Nuclear receptor coactivator 1
NCBI Official Synonym Full Names	nuclear receptor coactivator 1
NCBI Official Symbol	NCOA1
NCBI Official Synonym Symbols	SRC1; KAT13A; RIP160; F-SRC-1; bHLHe42; bHLHe74
UniProt Protein Name	Nuclear receptor coactivator 1
UniProt Synonym Protein Names	Class E basic helix-loop-helix protein 74; bHLHe74; Protein Hin-2; RIP160; Renal carcinoma antigen NY-REN-52; Steroid receptor coactivator 1; SRC-1
Protein Family	Nuclear receptor coactivator
UniProt Gene Name	NCOA1
UniProt Synonym Gene Names	BHLHE74; SRC1; NCoA-1; bHLHe74; SRC-1
UniProt Entry Name	NCOA1_HUMAN
NCBI Protein Information	nuclear receptor coactivator 1
NCBI Summary for NCOA1	The protein encoded by this gene acts as a transcriptional coactivator for steroid and nuclear hormone receptors. It is a member of the p160/steroid receptor coactivator (SRC) family and like other family members has histone acetyltransferase activity and contains a nuclear localization signal, as well as bHLH and PAS domains. The product of this gene binds nuclear receptors directly and stimulates the transcriptional activities in a hormone-dependent fashion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for NCOA1	SRC-1: a transcriptional coactivator for steroid and nuclear hormone receptors. A member of the p160/steroid receptor coactivator (SRC) family and like other family members has histone acetyltransferase activity and contains a nuclear localization signal, and bHLH and PAS domains. Phosphorylated and activated via the mitogen-activated protein kinase pathway. Three alternatively spliced isoforms have been described. Protein type: Nuclear receptor co-regulator; Acetyltransferase; Oncoprotein; EC 2.3.1.48; Transcription, coactivator/corepressor; DNA-binding Chromosomal Location of Human Ortholog: 2p23 Cellular Component: nuclear chromatin; nucleoplasm Molecular Function: enzyme binding; ligand-dependent nuclear receptor binding; ligand-dependent nuclear receptor transcription coactivator activity; nuclear hormone receptor binding; protein binding; protein N-terminus binding; transcription coactivator activity Biological Process: bile acid and bile salt transport; cellular lipid metabolic process; cellular response to hormone stimulus; intracellular receptor-mediated signaling pathway; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter by galactose; positive regulation of transcription, DNA-dependent; transcription, DNA-dependent
Research Articles on NCOA1	**1.** miR-137 has a role in targeting p160 steroid receptor coactivators SRC1, SRC2, and SRC3 and inhibits cell proliferation
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