

Recombinant Human NCOA3, GST-tagged

Cat. No. NCOA3-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCOA3(251 a.a. - 360 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a nuclear receptor coactivator that interacts with nuclear hormone receptors to enhance their transcriptional activator functions. The encoded protein has histone acetyltransferase activity and recruits p300/CBP-associated factor and CREB binding protein as part of a multisubunit coactivation complex. This protein is initially found in the cytoplasm but is translocated into the nucleus upon phosphorylation. Several transcript variants encoding different isoforms have been found for this gene. In addition, a polymorphic repeat region is found in the C-terminus of the encoded protein.
Molecular Mass	37.84 kDa
AA Sequence	RRITTGERTFPSNPESFITRHDLSGKVVNIDTNSLRSSMRPGFEDIIRRCIQRFFSLND GQSWSQKRHYQEAYLN GHAETPVYRFSLADGTIVTAQTKSKLFRNPVTNDR
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [NCOA3 nuclear receptor coactivator 3 \[Homo sapiens \(human\) \]](#)

Official Symbol NCOA3

Synonyms NCOA3; ACTR; AIB1; RAC3; SRC3; pCIP; AIB-1; CTG26; SRC-3; CAGH16; KAT13B; TNRC14; TNRC16; TRAM-1; bHLHe42; nuclear receptor coactivator 3; nuclear receptor coactivator 3; CBP-interacting protein; receptor-associated coactivator 3; amplified in breast cancer 1 protein; steroid receptor coactivator protein 3; class E basic helix-loop-helix protein 42; thyroid hormone receptor activator molecule 1; NP_001167558.1; EC 2.3.1.48; NP_001167559.1; NP_006525.2; NP_858045.1

Gene ID [8202](#)

mRNA Refseq [NM_006534](#)

Protein Refseq [NP_006525](#)

MIM [601937](#)

UniProt ID Q9Y6Q9

Chromosome Location 20q12

Pathway Androgen receptor signaling pathway; FOXA1 transcription factor network; Fatty acid, triacylglycerol, and ketone body metabolism

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Function

androgen receptor binding; histone acetyltransferase activity; ligand-dependent nuclear receptor binding

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