

## Active Recombinant Human NCOA1, RI Domain, TEV Cleavage Site

Cat. No. NCOA1-1162H    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source      | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Description | <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 liganddependent receptor-cofactor interactions. This protein contains the Tobacco Etch virus (TEV) protease site and can be cleaved using acTEV to yield untagged SRC1 RID. This protein will be useful for assays where a native untagged protein is desired.</p> |
| Form        | Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 Mm KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity      | > 95% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Activity    | 100 ng are sufficient for a protein-protein interaction assay.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>         | Recombinant SCR1 (627-786) can be used for proteinprotein interaction assays.                                                                                                                                                                                                                                                                                                                            |
| <b>Usage</b>               | For in vitro use only.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>             | Quality guaranteed for 12 months store at -80°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                             |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>           | NCOA1 nuclear receptor coactivator 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | NCOA1; nuclear receptor coactivator 1; SRC1; KAT13A; RIP160; F-SRC-1; bHLHe42; bHLHe74; MGC129719; MGC129720; Hin-2 protein; OTTHUMP00000155181; OTTHUMP00000155182; PAX3/NCOA1 fusion protein; steroid receptor coactivator-1; EC 2.3.1.48; OTTHUMP00000155183; NCoA-1; RIP160; SRC-1; Protein Hin-2; Renal carcinoma antigen NY-REN-52; Steroid receptor coactivator 1; nuclear receptor coactivator 1 |
| <b>Gene ID</b>             | 8648                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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>Function</b>            | DNA binding; acyltransferase activity; androgen receptor binding; chromatin binding;                                                                                                                                                                                                                                                                                                                     |

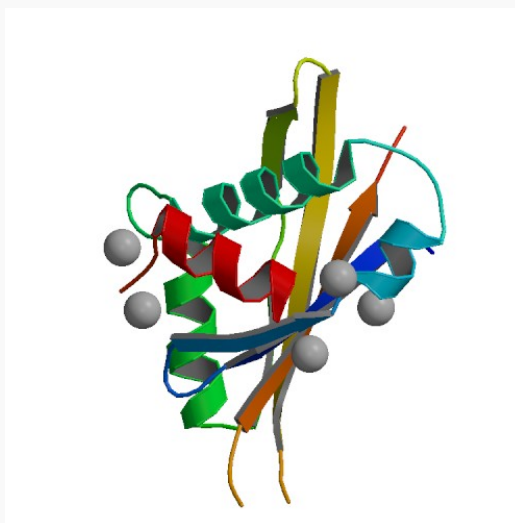
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histone acetyltransferase activity; nuclear hormone receptor binding; protein N-terminus binding; signal transducer activity; transcription coactivator activity; transcription regulator activity; transferase activity

PDB rendering based  
on 1oj5.



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