

## Product datasheet for SC309911

### NCOA1 (NM\_003743) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NCOA1 (NM\_003743) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NCOA1  
**Synonyms:** bHLHe42; bHLHe74; F-SRC-1; KAT13A; RIP160; SRC1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003743 edited  
 ATGAGTGGCCTCGGGACAGTTCACGACCCTGCTAACCCAGACTCACATAAGAGGAAA  
 GGATCGCCATGTGACACACTGGCATCAAGCACGGAAAAGAGGCGCAGGGAGCAAGAAAAT  
 AAATATTTAGAAGAACTAGCTGAGTTACTGTCTGCCAACATTAGTGACATTGACAGCTTG  
 AGTGTA AAAACAGACAAATGCAAGATTTTGAAGAAAACAGTCGATCAGATACAGCTAATG  
 AAGAGAATGGAACAAGAGAAAATCAACAACCTGATGACGATGTACAGAAATCAGACATCTCA  
 TCAAGTAGTCAAGGAGTGATAGAAAAGGAATCCTTGGGACCTCTTCTTTGGAGGCTTTG  
 GATGGATTTTTCTTTGTTGTGAACCTGTGAAGGGAGAATTGTATTTGTGTCAGAGAATGTA  
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 TCATGTCTGATTTGTATTGCACGGCGATTACCTCGGCCTCCAGCTATTACGGGTGTAGAA  
 TCCTTTATGACCAAGCAAGATACTACAGGTA AAAATCATCTCTATTGATACTAGTTCCTG  
 AGAGCTGCTGGCAGA ACTGGTTGGGAAGATTTAGTGAGGAAGTGCATTTATGCTTTTTTC  
 CAACCTCAGGGCAGAGAACCATCTTATGCCAGACAGCTGTTCCAAGAAGTGTACTCGT  
 GGCACCAAGTGTAACTTTGCTACCCCTCAAAGTCCAGACATGCAACCTTTTCATCGGGA  
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 ATGTCAATTTCCCGAGTAAATCCCTCGGTCAATCCTAGTATCTCTCCAGCTCATGGTGTG  
 GCTCGTTCATCCACATTGCCACCATCCAACAGCAACATGGTATCCACCAGAATAAACCGC  
 CAGCAGAGCTCAGACCTTCATAGCAGCAGTCATAGTAATTCTAGCAACAGCCAAGGAAGT  
 TTCGGATGCTCACCCGGAAGTCAGATTGTAGCCAATGTTGCCTTAAACCAAGGACAGGCC  
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 ATATCCCTAGCACAGTTCATGTCTCCAAGGAGACAGGTTACTTCTGGATTGGCAACAAGG  
 CCCAGGATGCCAAACAATTCCTTCTCCTCAATATTCGACATTAAGCTCTCCCGTTGGC



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ATGACAAGTAGTGCCTGTAATAATAATAACCGATCTTATTCAAACATCCCAGTAACATCT  
 TTACAGGGTATGAATGAAGGACCAATAACTCCGTTGGCTTCTCTGCCAGTTCTCCAGTC  
 CTCAGGCAGATGAGCTCACAGAATTCACCTAGCAGATTAATATACAACCAGCAAAGCT  
 GAGTCCAAAGATAACAAAGAGATTGCGCTCAATTTAAATGAAATGATTCAATCTGACAAC  
 AGCTCTAGTGATGGCAAACCTCTGGATTGAGGCTTCTGCATAACAATGACAGACTTTCA  
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 GCCGAACAGCAGTTACGGCATGCTGATATAGACACAAGCTGCAAAGATGTCCTGTCTTGC  
 ACAGGCACCTTCCAACCTGCTCTGCTAACTCTTCAGGAGTTCTTGCCCTCTTCTCAT  
 AGCTCATTGACAGAACGGCATAAAAATTCTACACGGCTCTTACAGGAGGGTAGCCCTCA  
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 ACAACAGTAGAAGGGAGAAATGATGAGAAGGCTTCTTGAACAGCTGGTATCCTTCCTT  
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 CAGGGTGTCTCACAGCAATTTCCCTATCCACAAACTATGGTACAAATCCAGGAACCCCA  
 CCTGCTTCTACCAGCCGTTTTTCAAACTAGCAGCAAATCCTGAAGCATCCTTGGCCAAC  
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 GGTGAGGCCAACTTTGCTCCATCTTAAGCCCTGGGAGCTCCATGGTGCCGATGCCAATC  
 CCTCCTCCTCAGAGTTCTTCTCCAGCAAACCTCACTGCCTCCGGGTATCAGTACCA  
 GACATGAAGGCCTGGCAGCAAGGAGCGATAGGAAACAACAATGTGTTCAAGTCAAGCTGTC  
 CAGAACCAGCCCACGCCTGCACAGCCAGGAGTATACAACAACATGAGCATCACCGTTTCC  
 ATGGCAGGTGAAATACGAATGTTGAGAACATGAACCAATGATGGCCAGATGCAGATG  
 AGCTCTTTGAGATGCCAGGAATGAACACTGTGTGCCCTGAGCAGATAAATGATCCCGCA  
 CTGAGACACACAGGCCTTACTGCAACCAGCTCTCATCCACTGACCTTCTCAAAACAGAA  
 GCAGATGGAACCCAGCAGGTGCAACAGGTTGAGGTGTTTGTGACGTCCAGTGTACAGTG  
 AATCTGGTAGGCGGGGACCCTTACCTGAACCAGCTGGTCCACTGGGAACCTCAAAGGCC  
 ACGTCAGGACCACAGACCCCCAGGCCAGCAGAAGAGCCTCCTTACGACGCTACTGACT  
 GAATAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_003743  
**Insert Size:** 4500 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003743.4</a> , <a href="#">NP_003734.3</a>
<b>RefSeq Size:</b>	6895 bp
<b>RefSeq ORF:</b>	4326 bp
<b>Locus ID:</b>	8648
<b>UniProt ID:</b>	<a href="#">Q15788</a>
<b>Cytogenetics:</b>	2p23.3
<b>Domains:</b>	PAS, HLH
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1), also known as SRC1a, encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>