

Product datasheet for **SC309595**

NCOA1 (NM_147233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA1 (NM_147233) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCOA1
Synonyms:	bHLHe42; bHLHe74; F-SRC-1; KAT13A; RIP160; SRC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_147233 edited
 CCGGGAAGCTACCCTCTGGAAGCTCAAGATTTGACCATATCTGTTTTGAGGATTCATTATG
 AACAAAGAAGTCTCCCAGGTGTGAAGTTTTTCAACATGAGTGGCCTCGGGGACAGTTCAT
 CCGACCCTGCTAACCCAGACTCACATAAGAGGAAAGGATCGCCATGTGACACACTGGCAT
 CAAGCACGAAAAAGAGGCGCAGGAGCAAGAAAAATAAATATTTAGAAAGACTAGCTGAGT
 TACTGTCTGCCAACATTAGTGACATTGACAGCTTGAGTGTAAAACAGACAAATGCAAGA
 TTTTGAAGAAAACAGTCGATCAGATACAGCTAATGAAGAGAATGGAACAAGAGAAATCAA
 CAACTGATGACGATGTACAGAAATCAGACATCTCATCAAGTAGTCAAGGAGTGATAGAAA
 AGGAATCCTTGGGACCTTCTTTTGGAGGCTTTGGATGGATTTTTCTTTGTTGGAAGT
 GTGAAGGGAGAATTGATTTGTGTGAGAGAATGAACCAGCTACTTAGGTTACAATCAGG
 AGGAATTAATGAATACCAGCGTCTACAGCATACTGCACGTGGGGGATCATGCAGAAATTTG
 TGAAGAATCTGCTACAAAATCACTAGTAAATGGAGTTTCCTTGGCCTCAAGAGGCAACAC
 GACGAAATAGCCATACCTTTAACTGCAGGATGCTAATCACCCCTCCAGATGAGCCAGGGA
 CCGAGAACCAAGAAGCTTGCCAGCGTTATGAAGTAATGCAGTGTTCCTGCTGTCACAGC
 CAAAATCAATCAAGAGGATGGAGAAGATTTCCAGTCAATGCTGATTTGTATTGCACGGC
 GATTACCTCGGCCTCCAGCTATTACGGGTGTAGAATCCTTTATGACCAAGCAAGATACTA
 CAGGTAATCACTCTCTATTGATACTAGTCCCTGAGAGCTGCTGGCAGAACTGGTTGGG
 AAGATTTAGTGAGGAAGTGCATTTATGCTTTTTTCCAACCTCAGGGCAGAGAACCATCTT
 ATGCCAGACAGCTGTTCCAAGAAGTGATGACTCGTGGCACTGCCCTCCAGCCCTCCTATA
 GATTCATATTGAATGATGGGACAATGCTTAGCGCCACACCAAGTGTAACCTTTGCTACC
 CTCAAAGTCCAGACATGCAACCTTTTCATCATGGGAATTCATATCATCGACAGGGAGCACA
 GTGGGCTTTCTCCTCAAGATGACACTAATTCTGGAATGTCAATCCCGAGTAAATCCCT
 CGGTCAATCCTAGTATCTCTCCAGCTCATGGTGTGGCTCGTTCATCCACATTGCCACCAT
 CCAACAGCAACATGGTATCCACCAGAATAAACCGCCAGCAGAGCTCAGACCTTCATAGCA
 GCAGTCATAGTAATTCTAGCAACAGCCAAGGAAGTTTCGGATGCTCACCCGGAAGTCAGA
 TTGTAGCCAATGTTGCCTTAAACCAAGGACAGGCCAGTTCACAGAGCAGTAATCCCTCTT
 TAAACCTCAATAATTCTCCTATGGAAGGTACAGGAATATCCCTAGCACAGTTCATGTCTC



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CAAGGAGACAGGTTACTTCTGGATTGGCAACAAGGCCAGGATGCCAAACAATTCCTTTTC
 CTCTAATATTTTCGACATTAAGCTCTCCCGTTGGCATGACAAGTAGTGCCTGTAATAATA
 ATAACCGATCTTATTCAAACATCCCAGTAACATCTTTACAGGGTATGAATGAAGGACCCA
 ATAACCTCCGTTGGCTTCTCTGCCAGTCTCCAGTCCTCAGGCAGATGAGCTCACAGAATT
 CACCTAGCAGATTAATATACAACCAGCAAAAGCTGAGTCCAAAGATAACAAAGAGATTG
 CCTCAATTTTAAATGAAATGATTCAATCTGACAACAGCTCTAGTGATGGCAAACCTCTGG
 ATTCAGGGCTTCTGCATAACAATGACAGACTTTTCAGATGGAGACAGTAAATACTCTCAA
 CCAGTCACAAACCTAGTGCAGCTTTTGGACAACAACCTGCCGAACAGCAGTTACGGCATGCTG
 ATATAGACACAAGCTGCAAAGATGTCCTGTCTTGACACAGGCACTTCCAACCTCTGCCTCTG
 CTAACCTCTCAGGAGGTTCTTGCCCTCTTCTCATAGCTCATTGACAGAACGGCATAAAA
 TTCTACACCGGCTCTTACAGGAGGGTAGCCCTCAGATATCACCCTTTGTCTGTCGAGC
 CTGATAAAAAGGACAGTGCATCTACTTCTGTGTCAGTGACTGGACAGGTACAAGGAACT
 CCAGTATAAACTAGAACTGGATGCTTCAAAGAAAAAGAAATCAAAGACCATCAGCTCC
 TACGCTATCTTTAGATAAAGATGAGAAAAGATTTAAGATCAACTCCAAACCTGAGCCTGG
 ATGATGTAAGGTTGAAAGTGGAAAAGAAAAGAACAGATGGATCCATGTAATACAAACCCAA
 CCCAATGACCAAACCCACTCCTGAGGAAATAAACTGGAGGCCAGAGCCAGTTTACAG
 CTGACCTTGACAGTTTATCAGTTACTGCCACGCTGGAGAAGGCAGCAGATTGCCAG
 GCTTATGTGAGACAGACAGGATGGATGGTGCAGTACCAGTGTAAACATCAAATCGGAGA
 TCCTGCCAGCTTCACTTCAGTCCGCCACTGCCAGACCCACTTCCAGGCTAAATAGATTAC
 CTGAGCTGGAATTGGAAGCAATTGATAACCAATTTGGACAACCAGGAACAGGCGATCAGA
 TTCCATGGACAAATAACACAGTACAGCTATAAATCAGAGTAAATCAGAAGACCAGTGTA
 TTAGCTACAATTAGATGAGCTTCTCTGTCCACCACAACAGTAGAAGGGAGAAATGATG
 AGAAGCTCTTTCTTGAACAGCTGGTATCCTTCTTCTAGTGGCAAAGATGAAACTGAGCTAG
 CTGAACTAGACAGAGCTCTGGGAATTGACAAACTTGTTCAGGGGGTGGATTAGATGTAT
 TATCAGAGAGATTTCCACCACAACAAGCAACGCCACCTTTGATCATGGAAGAAAGACCCA
 ACCTTTATTTCCAGCCTTACTCTTCTCCTTCTCCTACTGCCAATCTCCCTAGCCCTTTCC
 AAGGCATGGTCAGGCAAAAACCTTCACTGGGGACGATGCCTGTTCAAGTAAACACCTCCCC
 GAGGTGCTTTTTACCTGGCATGGGCATGCAGCCAGGCAAACTCTAAACAGACCTCCGG
 CTGCACCTAACAGCTTCGACTTCAACTACAGCAGCGATTACAGGGACAACAGCAGTTGA
 TACACCAAAATCGCAAGCTATCTTAAACAGTTTGCAGCAACTGCTCCTGTTGGCATCA
 ATATGAGATCAGGCATGCAACAGCAAATACACCTCAGCCACCCCTGAATGCTCAAATGT
 TGGCACAACGTCAGCGGAACTGTACAGTCAACAGCACCCGACAGAGGCAGCTAATACAGC
 AGCAAAGAGCCATGCTTATGAGGCAGCAAAGCTTTGGGAACAACCTCCCTCCCTCATCTG
 GACTACCAGTTCAAATGGGGAACCCCGTCTTCTCCTCAGGGTGTCCACAGCAATTTCCCT
 ATCCACCAAACTATGGTACAAATCCAGGAACCCCACTGCTTCTACCAGCCCGTTTTAC
 AACTAGCAGCAAATCCTGAAGCATCCTTGGCAACCCGCAACAGCATGGTGAGCAGAGGCA
 TGACAGGAAACATAGGAGGACAGTTTGGCACTGGAATCAATCCTCAGATGCAGCAGAATG
 TCTTCCAGTATCCAGGAGCAGGAATGGTTCCCCAAGGTGAGGCCAACTTTGCTCCATCTC
 TAAGCCCTGGGAGCTCCATGGTGCCGATGCCAATCCCTCCTCCTCAGAGTTCTCTGCTCC
 AGCAAACCTCCACCTGCCTCCGGGTATCAGTACCAGACATGAAGGCCTGGCAGCAAGGAG
 CGATAGGAAACAACAATGTGTTCAAGTGTCCAGAACCAGCCACGCTGCACAGC
 CAGGAGTATAACAACAATGAGCATCACCGTTTCCATGGCAGGTGGAAATACGAATGTTT
 AGAACATGAACCAATGATGGCCAGATGCAGATGAGCTCTTTGCAGATGCCAGGAATGA
 AACTGTGTGCCCTGAGCAGATAAATGATCCCGCACTGAGACACACAGGCCTCTACTGCA
 ACCAGCTCTCATCCACTGACCTTCTCAAACAGAAAGCAGATGGAACCCAG : :G: TGCAAC
 AGGTTCAAGTGTGTTGCTGACGTCCAGTGTACAGTGAATCTGGTAGCGGGGACCCCTTACC
 TGAAACCAGCTGGTCCACTGGGAACTCAAAGCCACGTCAGGACCACAGACCCCCAGG
 CCCAGCAGAAGAGCCTCCTTCCAGCAGTACTGACTGAATAACCACTTTTAAAGGAATGTG
 AAATTTAAATAATAGACATACAGAGATATACAAATATATTATATATTTTTCTGAGATTTT
 TGATATCTCAATCTGCAGCCATTCTCAGGTCGTTGTGATTAAGGGCGAATTCTGCAGAT
 ATCCATCACACTGGCGCCGCTCGAGCATGCATCTAGATT

Restriction Sites:	Please inquire
ACCN:	NM_147233
Insert Size:	4500 bp
OTI Disclaimer:	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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_147233.2.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_147233.2 , NP_671766.1
RefSeq Size:	6892 bp
RefSeq ORF:	4323 bp
Locus ID:	8648
UniProt ID:	Q15788
Cytogenetics:	2p23.3
Domains:	PAS, HLH
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<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 (3), also known as SRC(-Q), uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a protein (isoform 3) that lacks a single amino acid, compared to isoform 1.</p>