

Product datasheet for **SC100652**

NCOA1 (NM_147223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA1 (NM_147223) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCOA1
Synonyms:	bHLHe42; bHLHe74; F-SRC-1; KAT13A; RIP160; SRC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_147223, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGGCCTCGGGACAGTTCATCCGACCCTGCTAACCAGACTCACATAAGAGGAAAGGATCGCCAT
GTGACACACTGGCATCAAGCACGGAAAAGAGGCGCAGGGAGCAAGAAAATAAATATTTAGAGAAGTACG
TGAGTTACTGTCTGCCAACATTAGTGACATTGACAGCTTGAGTGTAAAACCAGACAAATGCAAGATTTTG
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TACAGAAATCAGACATCTCATCAAGTAGTCAAGGAGTGATAGAAAAGGAATCCTTGGGACCTCTTCTTT
GGAGGCTTTGGATGGATTTTCTTTGTTGTGAAGTGTGAAGGGAGAATTGTATTTGTGTCAGAGAATGTA
ACCAGCTACTTAGGTTACAATCAGGAGGAATTAATGAATACGAGCGTCTACAGCATACTGCACGTGGGGG
ATCATGCAGAATTTGTGAAGAATCTGCTACCAAAATCACTAGTAAATGGAGTTTCCTTGGCCTCAAGAGGC
AACACGACGAAATAGCCATACCTTTAACTGCAGGATGCTAATTCACCCTCCAGATGAGCCAGGGACCGAG
AACCAAGAAGCTTGCCAGCGTTATGAAGTAATGCAGTGTTCCTACTGTGTACAGCCAAAATCAATCAAG
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AGAGCTGCTGGCAGAAGTGGTTGGGAAGATTTAGTGAGGAAGTGCATTTATGCTTTTTTCCAACCTCAGG
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CTATAGATTCATATTGAATGATGGGACAATGCTTAGCGCCACCAAGTGTAACTTTGCTACCTCAA
AGTCCAGACATGCAACCTTTTCATCATGGGAATTCATATCATCGACAGGGAGCACAGTGGGCTTTCTCCTC
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TCATGGTGTGGCTCGTTCATCCACATTGCCACCATCCAACAGCAACATGGTATCCACCAGAATAAACCGC
CAGCAGAGCTCAGACCTTCATAGCAGCAGTCATAGTAATTCTAGCAACAGCCAAGGAAGTTTCGGATGCT
CACCCGGAAGTCAGATTGTAGCCAATGTTGCCTTAAACCAAGGACAGGCCAGTTCACAGAGCAGTAATCC
CTCTTTAAACCTCAATAATTCTCCTATGGAAGGTACAGGAATATCCCTAGCACAGTTCATGTCTCCAAGG
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CATTAAGCTCTCCGTTGGCATGACAAGTAGTGCCTGTAATAATAAACCGATCTTATCAACATCCC
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AGTAACATCTTTACAGGGTATGAATGAAGGACCAATAACTCCGTTGGCTTCTCTGCCAGTTCTCCAGTC
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 AACAGCTGGTATCCTTCTTAGTGGCAAAGATGAACTGAGCTAGCTGAACTAGACAGAGCTCTGGGAAT
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 CCTTTGATCATGGAAGAAAGACCAACCTTTATCCCAGCCTTACTCTTCTCTTCTCTACTGCCAATC
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 CCCCTATCCACAAACTATGGTACAAATCCAGGAACCCACCTGCTTCTACCAGCCCGTTTTCACTA
 GCAGCAAATCCTGAAGCATCCTTGCCAAACCGCAACAGCATGGTGAGCAGAGGCATGACAGGAAACATAG
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 GGTTCCCAAGGTGAGGCCAATTTGCTCCATCTCTAAGCCCTGGGAGCTCCATGGTGCCGATGCCAATC
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 ATGAACCAATGATGGCCAGATGCAGATGAGCTCTTTGCAGATGCCAGGAATGAACACTGTGTGCCCTG
 AGCAGATAAATGATCCCGCACTGAGACACACAGGCCTCTACTGCAACCAGCTCTCATCCACTGACCTTCT
 CAAAACAGAAGCAGATGGAACCCAGGACAAGAAGACAGAAGAGTTCTTCTCTGTGGTGACTACAGACTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_147223 unedited
 GCACGAGGCCATTCCCCGGGAAGCTACCCTCTGGAECTCAAGATTTGACCATATCTGTT
 TTGAGGATTCATTATGAACAAAGAAGTCTCCAGGTGTGAAGTTTTTCAACATGAGTGGC
 CTCGGGGACAGTTCATCCGACCTGCTAACCCAGACTCACATAAGAGGAAAGGATCGCCA
 TGTGACACACTGGCATCAAGCACGGAAGAGGGCAGGGAGCAAGAAAAATAATATTTA
 GAAGAACTAGCTGAGTTACTGTCTGCCAACATTAGTGACATTGACAGCTTGAGTGAAAA
 CCAGACAAATGCAAGATTTTGAAGAAAACAGTCGATCAGATACAGCTAATGAAGAGAATG
 GAACAAGAGAAAATCAACAACTGATGACGATGTACAGAAAATCAGACATCTCATCAAGTAGT
 CAAGGAGTGATAGAAAAGGAATCCTTGGGACCTTCTTTTTGGAGCTTTGGATGGATTT
 TTCTTTGTGTGAACTGTGAAGGGAGAATTGTATTTGTGTGAGAGAATGTAACCAGCTAC
 TTAGGTTACAATCAGGAGGAATTAATGAATACCAGCGTCTACAGCATACTGCACGTGGGG
 GATCATGCAGAAATTTGTGAAGAATCTGCTACCAAAATCACTAGTAAATGGAGTTCCTTGG
 CCTCAAGAGGCACACGACGAAATAGCCATACCTTTAACTGCAGG

Restriction Sites:	NotI-NotI
ACCN:	NM_147223
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).
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_147223.2 , NP_671756.1
RefSeq Size:	6952 bp
RefSeq ORF:	4200 bp
Locus ID:	8648
UniProt ID:	Q15788
Cytogenetics:	2p23.3
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 (2), also known as SRC1e, contains an additional segment in the coding region compared to variant 1. The resulting isoform (2) contains a shorter and distinct C-terminus, compared to 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>