

Product datasheet for **MC206201**

Ncoa1 (BC068177) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncoa1 (BC068177) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncoa1
Synonyms:	SRC1, SRC-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC068177

```

CAGGTGTGAAGTTCATCAACATGAGTGGCCTTGGGGACAGTTCATCAGACCCTGCAAACCCAGACTCTCA
TAAGAGAAAAGGATCGCCATGTGACACGCTGGCATCAAGTACTGAGAAGAGGCGCAGGGAGCAAGAAAAAT
AAGTATTTAGAAGAACTAGCTGAACTACTGTCTGCCAACATCAGTGACATTGACAGCTTGAGTGTAAAAAC
CAGATAAATGCAAGATTTTGAAGAAGACAGTAGATCAGATACAGCTAATGAAGAGAAATGGAGCAAGAGAA
ATCCACGACTGATGATGACGTGCAGAAGTCCGACATCTCCTCGAGCAGCCAAGGAGTGATAGAGAAGGAG
TCGCTGGGCCCTCTTCTTCTGGAGGCTTTGGATGGATTTTCTTTGTTGTGAAGTGTGAAGGAAGAATTG
TATTTGTATCAGAAAATGTGACCAGCTACTTGGGTTACAATCAGGAAGAATTAATGAATACCAGCGTCTA
CAGCATACTGCATGTGGGAGATCATGCAGAATTTGTCAAGAATCTGCTACCAAAATCACTAGTAAATGGA
GTTCTTGGCCTCAAGAGGCAACACGCCAAAATAGCCATACATTTAACTGCAGGATGCTAATTCACCCTC
CAGAGGACCCAGTACTGAGAACCAAGAAGCTTGCCAGCGCTATGAAGTAAATGCAGTGTTTCACAGTGTC
ACAGCCAAAATCCATCCAAGAAGATGGTGAAGATTTCCAGTCATGTCTGATTTGTATTGCTCGACGATTA
CCTCGGCCTCCAGCCATTACAGGTGTAGAATCCTTTATGACCAAGCAAGATACTACAGGCAAAAATCATCT
CTATTGACACTAGCTCCCTGAGGGCTGCTGGCAGGACTGGCTGGGAAGACCTAGTAAGGAAGTGCATCTA
TGCTTTCTTCCAACCTCAGGGCAGAGAGCCATCTTACGCCCGGACAGCTGTTTCAAGAAAGTATGACTCGT
GGCACTGCCTCCAGCCATCCTATAGATTCAATTTGAATGATGGGACAATGCTTAGCGCCACACCAAGT
GTAAACTTTGCTACCCTCAAAGTCTGACATGCAGCCTTTCATCATGGGAATTCATATCATCGACAGGGA
GCACAGTGGGCTTCTCCTCAAGATGACAGTAATCTGGAATGTCAATTTCCCGAATAAAATCCCTCAGTC
AATCCTGGTATCTCAGCCCATGGTGTGACCCGTTTCATCCAGTTGCCACCATCCAACAACAACATGG
TCTCTGCCAGAGTAAACCGCCAACAGAGCTCAGACCTCAACAGCAGCAGCAGTCATACTAACTTAGCAA
CAACCAAGGGAATTTGGATGTTACCTGGAAATCAGATTGTAGCCAATGTTGCCTTAAACAGGGACAG
GCAGGTTCCAGAGCAGCAATCCCTCTTTAAACCTCAATAAATCTCCTATGGAAGGTACAGGAATTGCC
TCTCACAGTTCATGTCTCCGAGGAGACAAGCTAATCTGGCTTGGCAACAAGGGCCAGGATGTCAAACA
TTCATTTCTCCAAAATATTCCAACATTAAGCTCCCGAGTTGGCATTACTAGTGGTGCCTGTAATAATAAT
AATCGATCCTATTCAAATATCCAGTAACATCTTTACAAGGTATGAATGAAGGACCCAATAACTCTGTTG
GCTTCTCTGCTGGGTCTCCAGTCTTCCGAGATGAGCTCACAGAATTCACCTAGCAGATTAAGTATGCA
ACCAGCAAAGGCTGAGTCCAAGACAGCAAAGAGATTGCATCCATTTAAATGAAATGATTACAGTCCGAC

```



[View online »](#)

AACAGCGACAACAGTGCTAACGAAGGCAAGCCTCTGGACTCAGGACTTCTGCATAACAATGACAGACTCT
 CAGAAGGAGACAGTAAATACTCTCAAAGTAGTCACAAGCTAGTACAGCTATTGACTACGACCCGACAGGCA
 GCAGTTACGGCATGCCGACATAGACACAAGCTGCAAAGATGTACTGTCTTGCAGTGGTACTTCCAGCTCT
 GCCTCCTTAACCCCTCAGGAGGTACTTGTCCCTTCTCACAGCTCTCTGACTGAGCGGCATAAAATTC
 TGCACCGGCTTTTACAGGAGGGCAGCCCCTCAGACATCACCACCTTGTCTGTGGAACCCGAGAAGAAGGA
 CAGTGTGCCAGCCTCTACTGTGTGTAGTGTCTGGACAATCCCAGGGGAGTGCCAGCATAAAAGTGGAA
 CTGGATGCTGCAAAGAAAAAGAGTCAAAGACCATCAGCTCCTACGCTACCTTTTAGACAAAGATGAGA
 AAGATTTAAGGTCCACTCAAACCTGTGCTGGATGACGTAAAGGTCAAAGTGGAGAAGAAAGAACAGAT
 GGATCCTTGTAACACAAAACCCCAACCCCAATGACAAAACCTGTCTCTGAGGAAGTTAAACTGGAGTCCAG
 AGCCAGTTTACAGCTGACCTTGACCAGTTTGTATGATTATTGCCACCCTGGAGAAGGCAGCACAGTTGC
 CGAGCTTGTGCGAGACAGACAGGATGGATGGTGCAGTCCCGGTGTGAGCATCAAGGCGGAGGTCCTGCC
 AGCGTCACTCCAGCCACCCTGCCAGAGCTGCCCCAGGCTGAGCAGATTGCCTGAACTAGAATTAGAA
 GCGATCGATAACAGTTTGGACAACCAGGAGCGGGGATCAGATTCCATGGGCAAATAACTTTGACAA
 CAATAAATCAGAAATAACCAGAAGACCAATGTATTAGCTCACAGCTGGATGAGCTCCTCTGTCCACCAAC
 AACAGTAGAAGGAAGAAACGATGAGAAGGCCCTTCTGGAACAACGGTGTCTTCTCAGTGGCAAAGAT
 GAAACGGAGCTGGCTGAGCTAGACCGGGCACTGGGGATCGACAAGCTCGTCCAGGAGGGCGATTAGATG
 TATTATCTGAGCGATTTCCACCACAGCAAGCAACACCACCTTTGATGATGGAAGACAGACCCACCCTCTA
 TTCCCAGCCATACTCATCTCTTCTCCCACCGTGGTCTCTCTGGCCCTTCCAAGGCATGGTCCGGCAG
 AAGCCTTCACTGGGGGCTATGCCGGTCAAGTAACACCTCCTCGAGGAACCTTTTACCCAAACATGGGCA
 TGCAGCCCCGGCAGACTCTAATAGACCTCCAGCTGCACCAACCAGCTTCGGTGCAGCTGCAGCAGCG
 GCTACAGGGGCAGCAGCAGTTGATGCACAAAACCGGCAAGCCATCTTGAACAGTTTGCAGCAAATGCT
 CCTGTTGGCATGAACATGAGGTGAGGCATGCAGCAGCAGATCACACCTCAGCCACCCTTGAATGCTCAGA
 GTTGGCCAGCGCCAGCGGGAGTTGTACAGTCAGCAGCATGCACAGAGGCAAATATACAGCAGCAGAG
 AGCCATGCTCATGAGGCACAAAAGTTTTGGGAACAACATCCCTCCTTCTGACTCCAGTTCAAATG
 GGGACTCCCCGTCTTCTCAGGGTGTCCCCAGCAGTTCCCTACCCACAAAACCTATGGTACAAAACCCAG
 GAACCCACCTGCCTCCACCAGCCCTTCTCTCAACTGGCAGCAAACCTGAGGCCTCCTTGGCCACCCG
 CAGCAGCATGGTGAACAGAGGCATGGCAGGGAACATGGGAGGACAGTTTGGCGTGGCATCAGTCTCAG
 ATGCAGCAGAATGCTTCCAATATCCAGGACCAGGACTAGTTCCCAAGGTGAGGCCACCTTGGCCCAT
 CTCTAAGCCCTGGGAGCTCCATGGTCCGATGCCAGTCCCTCCTCTCAAAGCTCTCTGCTCCAGCAAAC
 TCCACCTACTTCTGGGTACCAGTACCAGACATGAAGGCCTGGCAGCAAGGAACAATGGGAACAACAAT
 GTGTTCACTCAAGCTGTCCAGAGCCAGCCTGCACCTGCACAGCCAGGAGTGTACAACAACATGAGCATCA
 CCGTGTCCATGGCAGGTGAAAACGAAACATTCAGAACATGAATCCAATGATGGGCCAGATGCAAATGAG
 CTCTCTGAGATGCCAGGGATGAATACTGTGTGCTCTGAGCAGATGAATGATCCAGCACTGAGACACACA
 GGCTCTACTGCAACCAGCTCTCGTCCACTGACCTTCTCAAAACAGACGCAGATGAAAACAGGACAAGA
 AGACAGAAGAGTTCTTCTGTGGTGACTACAGACTAGAGGAGCTCTACAGGTGCAGCAGTTTCAAGTGT
 TTGCTGACGTCCAGTGTACAGTGAATCTGGTAGGGGGGACCCTTACCTGAACAGCCTGGTCCACTGGG
 AACTCAAAGCCACGTGAGGACCACAGACCCCCAGGCCAGCAGAAGAGCCTCCTTCAAGCAGTACTG
 ACTGAATAACCACTTTTAAAGGAATGTGAAATTTAAATAATAGACATGCAGAGTTATACAAATATATTAT
 ATATTTTCTGAGATTTTGGATATCTCAATCTGCAGCCATTCTCAGATCGTAGCATTGGAGCAAAAAA AAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** BC068177
- Insert Size:** 4218 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:

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: [BC068177](#), [AAH68177](#)

RefSeq Size: 4565 bp

RefSeq ORF: 4218 bp

Locus ID: 17977

Cytogenetics: 12 A1.1

Gene Summary: Nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone-dependent fashion. Involved in the coactivation of different nuclear receptors, such as for steroids (PGR, GR and ER), retinoids (RXRs), thyroid hormone (TRs) and prostanoids (PPARs). Also involved in coactivation mediated by STAT3, STAT5A, STAT5B and STAT6 transcription factors. Displays histone acetyltransferase activity toward H3 and H4; the relevance of such activity remains however unclear. Plays a central role in creating multisubunit coactivator complexes that act via remodeling of chromatin, and possibly acts by participating in both chromatin remodeling and recruitment of general transcription factors. Required with NCOA2 to control energy balance between white and brown adipose tissues. Required for mediating steroid hormone response. Isoform 2 has a higher thyroid hormone-dependent transactivation activity than isoform 1 and isoform 3. [UniProtKB/Swiss-Prot Function]