

## Product datasheet for **SC323985**

### NCOA4 (NM\_005437) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA4 (NM_005437) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCOA4
Synonyms:	ARA70; ELE1; PTC3; RFG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005437.1  
GGTTAGTGTGGGCGCGTCTCAGTCCACCCAAGGTCTCCTCGGATCGCCTGGAGAGGCA  
CTCGGACCTGGAGCAGTGAGGAGAATGAATACCTTCCAAGACCAGAGTGGCAGCTCCAGT  
AATAGAGAACCCCTTTTGGAGGTGTAGTGATGCACGGAGGGACTTGAGCTTGCTATTGGT  
GGAGTTCTCCGGGCTGAACAGCAAATTAAGATAAATTGCGAGAGGTCAAAGCTCAGATT  
CACAGTTGCATAAGCCGTACCTGGAATGTCTTAGAAGCCGTGAGGTATGGCTGTATGAA  
CAGGTGGACCTTATTTATCAGCTTAAAGAGGAGACACTTCAACAGCAGGCTCAGCAGCTC  
TACTCGTTATTGGGCCAGTTCAATTGTCTTACTCATCAACTGGAGTGACCCAAAACAA  
GATCTAGCCAATCAAGTCTCTGTGTGCCTGGAGAGACTGGGCAGTTTGACCCTTAAGCCT  
GAAGATCAACTGTCCTGCTCTTTGAAGCTGACACAATTACTCTGCGCCAGACCATCACC  
ACATTTGGGTCTCTCAAACCATTCAAATTCCTGAGCACTTGATGGCTCATGCTAGTTCA  
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ACCTTGGAGAACAGTCAGACTTCTTCCAGAGCCTGCAATTTCTTCAATAATGTCGGGGGA  
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AACAGCCATTCCTACTAGTTCTTTCTCCATTGAAATGGAAAAGGTTGGAGATCAAGAG  
CTTCTGATCAAGATGAGATGGACCTATCAGATTGGCTAGTGACTCCCCAGGAATCCCAT  
AAGCTGCGGAAGCCTGAGAATGGCAGTCGTGAAACCAGTGAGAAGTTTAAGCTCTTATTC  
CAGTCTATAATGTGAATGATTGGCTTGTCAAGACTGACTCCTGTACCAACTGTCAGGGA  
AACCAGCCCAAAGGTGTGGAGATTGAAAACCTGGGCAATCTGAAGTGCCTGAATGACCAC  
TTGGAGGCCAAGAAACCTTGTCCACCCCAAGCATGGTTACAGAGGATTGGCTTGTCCAG  
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AAGAAAGAAGGAAAGGATAAAAAATGGGATGCCTGTGGAACCCAAACCTGAGCCTGAGAAG  
CATAAAGATTCCCTGAATATGTGGCTCTGCTAGAAAAGAAGTAAAGAAACAACTAAA  
GCACCAAAGGCAATGACTCCTTCTAGAATTGCTGATTCTTCCAAGTCATAAAGAACAGC



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CCCTTGTCGGAGTGGCTTATCAGGCCCCCATACAAAGAAGGAAGTCCAAGGAAGTGCCT
GGTACTGAAGACAGAGCTGGCAAACAGAAGTTTAAAGCCCCATGAATACTTCTGGTGT
TCCTTTAACACAGCTGACTGGGTCTGCCAGGAAAAGAAGATGGGCAACCTCAGCCAGTTA
TCTTCTGGAGAAGACAAGTGGCTGCTTCGAAAGAAGGCCAGGAAGTATTACTTAATTCA
CCTCTACAGGAGGAACATAAATTCCCCCAGACCATTATGGCCTCCCTGCAGTTTGTGAT
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CAGATGTGAAGGAATGGACAAGAGTTGAGCAGCCTTTCTGCTGATTATCACACATCATGA
GCTGAGTGACTGCAGCTTGCCAAATCTTTGTGTTCTGGGTCTGACCAATTAGTTCCTCT
CCTGCCTAATTTTGAAGTAAAGCAAAGTGAAGTATCAGATTATGAGTTACTGTTTAA
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GAGAGAAGTGGGTTTTATAATGTTTTCTTAAGATATCTTTGCTGCTTTCCAGACTTTGA
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GCAAAAACAATGTAAGGAGCCTTCCAGTTATCTTGAGTTGCAGCTCTGTAGTTTCTTGA
GGCCAAACACACTGTATTTACAAGTCAAATATAATTTACATTAATCACTATGTTAATG
AGTATGTAACATTTCTTTGCATTGATGAATTTGTATCTGCTCCATTAAGCATAA
CAGCCAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM\_005437
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

<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>	<u><a href="#">NM_005437.1</a></u> , <u><a href="#">NP_005428.1</a></u>
<b>RefSeq Size:</b>	3506 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	8031
<b>UniProt ID:</b>	<u><a href="#">Q13772</a></u>
<b>Cytogenetics:</b>	10q11.22
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Pathways in cancer, Thyroid cancer
<b>Gene Summary:</b>	<p>This gene encodes an androgen receptor coactivator. The encoded protein interacts with the androgen receptor in a ligand-dependent manner to enhance its transcriptional activity. Chromosomal translocations between this gene and the ret tyrosine kinase gene, also located on chromosome 10, have been associated with papillary thyroid carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes are present on chromosomes 4, 5, 10, and 14. [provided by RefSeq, Feb 2009]</p> <p>Transcript Variant: This variant (5) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG. This variant (5) also lacks an exon in the 3' coding region, which results in a frameshift and use of a downstream stop codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus and a shorter, distinct C-terminus compared to isoform 1. Variants 3, 4, and 5 encode the same protein.</p>