

Product datasheet for **SC326123**

NCOA4 (NM_001145261) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA4 (NM_001145261) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCOA4
Synonyms:	ARA70; ELE1; PTC3; RFG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC326123 representing NM_001145261.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGCCAGTTGACCACTTTTGTCTAGCTGGAGCAGTGAGGAGAATGAATACCTTCCAAGACCAG
AGTGGCAGCTCCAGTAATAGAGAACCCCTTTTGAGGTGTAGTGATGCACGGAGGGACTTGGAGCTTGCT
ATTGGTGGAGTTCTCCGGGCTGAACAGCAAATTAAGATAAATTGCGAGAGGTCAAAGCTCAGATTCAC
AGTTGCATAAGCCGTCACCTGGAATGTCTTAGAAGCCGTGAGGTATGGCTGTATGAACAGGTGGACCTT
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GAGAGACTGGGCAGTTTGACCTTAAGCCTGAAGATTCAACTGTCCTGCTCTTTGAAGCTGACACAATT
ACTCTGCGCCAGACCATCACCACATTTGGGTCTCTCAAACCATTCAAATTCCTGAGCACTTGATGGCT
CATGCTAGTTCAGCAAATATTGGGCCCTTCTGGAGAAGAGAGGCTGTATCTCCATGCCAGAGCAGAAG
TCAGCATCCGGTATTGTAGCTGTCCCTTCAGCGAATGGCTCCTTGAAGCAAACCTGCCAGTGGTTAT
CAAGCTCCTTACATACCCAGCACCGACCCCGAGGACTGGCTTACCCAAAAGCAGACCTTGGAGAACAGT
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CTCCTCAAGAGTGAAAAATCAAGTTATCAAAGTGTAAACGCCATTCCACTACTAGTTCTTTCTCCATT
GAAATGGAAAAGGTTGGAGATCAAGAGCTTCTGATCAAGATGAGATGGACCTATCAGATTGGCTAGTG
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GAACCCAAACCTGAGCCTGAGAAGCATAAAGATTCCCTGAATATGTGGCTCTGTCTAGAAAAGAAGTA
ATAGAACAACTAAAGCACCAAAGGCAATGACTCCTTCTAGAATTGCTGATTCTTCCAAGTCATAAAG
AACAGCCCTTGTCCGAGTGGCTTATCAGGCCCCATACAAAGAAGGAAGTCCCAAGGAAGTGCCTGGT
ACTGAAGACAGAGCTGGCAAACAGAAGTTAAAAGCCCCATGAATACTTCTGGTGTTCCTTAAACACA
GCTGACTGGGTCCTGCCAGGAAAGAAGATGGGCAACCTCAGCCAGTTATCTTCTGGAGAAGACAAGTGG
CTGCTTCAAAGAAGGCCAGGAAGTACTTAATTACCTCTACAGGAGGAACATAACTCCCCCA
GACCATTATGGCCTCCCTGCAGTTTGTGATCTCTTGCCTGTATGCAGCTTAAAGTTGATAAAGAGAAG
TGTTATATCGAACTCCTCTACAGATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001145261

Insert Size: 1893 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: 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).

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_001145261.1
RefSeq Size:	3659 bp
RefSeq ORF:	1893 bp
Locus ID:	8031
UniProt ID:	Q13772
Cytogenetics:	10q11.22
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Pathways in cancer, Thyroid cancer
MW:	71.4 kDa
Gene Summary:	<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 (2) lacks an exon in the coding region, which results in a frameshift and use of a downstream stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>