

Product datasheet for **SC325236**

NCOA4 (NM_001145263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA4 (NM_001145263) 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: >SC325236 representing NM_001145263.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAATACCTCCAAGACCAGAGTGGCAGCTCCAGTAATAGAGAACCCTTTTGGAGTGTAGTGATGCA
CGGAGGGACTTGGAGCTTGCTATTGGTGGAGTTCTCCGGGCTGAACAGCAAATTAAGATAAAGTGGCA
GAGGTCAAAGCTCAGATTCACAGTTGCATAAAGCGTCCACTGGAATGTCTTAGAAGCCGTGAGGTATGG
CTGTATGAACAGGTGGACCTTATTTATCAGCTTAAAGAGGAGACACTTCAACAGCAGGCTCAGCAGCTC
TACTCGTTATTGGGCCAGTTCAATTGTCTTACTCATCAACTGGAGTGTACCCAAAACAAAGATCTAGCC
AATCAAGTCTCTGTGCCTGGAGAGACTGGGCAGTTTGACCCTTAAGCCTGAAGATTCAACTGCTCTG
CTCTTTGAAGCTGACACAATTACTCTGCGCCAGACCATCACCACATTTGGGTCTCTCAAACCATCAA
ATTCTGAGCACTTGATGGCTCATGCTAGTTCAGCAAATATTGGGCCCTTCTGGAGAAGAGAGGCTGT
ATCTCCATGCCAGAGCAGAAGTCAGCATCCGGTATTGTAGCTGTCCCTTTCAGCGAATGGCTCCTTGG
AGCAAACCTGCCAGTGGTTATCAAGCTCCTTACATAACCCAGCACCCAGCCAGGACTGGCTTACCCAA
AAGCAGACCTTGGAGAACAGTCAGACTTCTCCAGAGCCTGCAATTTCTCAATAATGTCGGGGGAAC
CTAAAGGGCTTAGAAAACCTGGCTCCTCAAGAGTAAAAATCAAGTTATCAAAAGTGAACAGCCATTCC
ACTACTAGTTCTTCTCCATTGAAATGGAAAAGGTTGGAGATCAAGAGCTTCTGATCAAGATGAGATG
GACCTATCAGATTGGCTAGTGACTCCCCAGGAATCCCATAAAGCTGCGGAAGCCTGAGAATGGCAGTCGT
GAAACCAAGTGAGAAGTTTAAAGCTCTTATCCAGTCTATAATGTGAATGATTGGCTTGTCAAGACTGAC
TCCTGTACCAACTGTGAGGAAACCAGCCCAAAGGTGTGGAGATTGAAAACCTGGCAATCTGAAGTGC
CTGAATGACCCTTGGAGGCCAAGAAACCATTGTCCACCCCGCATGGTTACAGAGGATTGGCTTGTGTC
CAGAACCATCAGGACCCATGTAAGGTAGAGGAGGTGTGCAGAGCCAATGAGCCCTGCACAAGCTTTGCA
GAGTGTGTGTGATGAGAATTGTGAGAAGGAGGCTCTGTATAAGTGGCTTCTGAAGAAAGAAGGAAG
GATAAAAATGGGATGCCTGTGGAACCCAAACCTGAGCCTGAGAAGCATAAAGATTCCCTGAATATGTGG
CTCTGTCTAGAAAAGAAGTAATAGAACAACTAAAGCACAAAGGCAATGACTCCTTCTAGAATTGCT
GATTCCTTCCAAGTCATAAAGAACAGCCCTTGTCCGGAGTGGCTTATCAGGCCCCATACAAGAAGGA
AGTCCCAAGGAAGTGCCTGGTACTGAAGACAGAGCTGGCAAACAGAAGTTTAAAAGCCCCATGAATACT
TCCTGGTGTCTTTAACACAGCTGACTGGGTCTGCCAGGAAAGAAGATGGGCAACCTCAGCCAGTTA
TCTTCTGGAGAAGACAAGTGGCTGCTTCGAAAAGAAGGCCAGGAAGTATTACTTAATTCACCTCTACAG
GAGGAACATAACTCCCCCAGACCATTATGGCCTCCCTGCAGTTTGTGATCTCTTTGCCTGTATGCAG
CTTAAAGTTGATAAAGAGAAGTGGTTATATCGAACTCCTTACAGATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001145263
- Insert Size:** 1845 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_001145263.1
RefSeq Size:	3562 bp
RefSeq ORF:	1845 bp
Locus ID:	8031
UniProt ID:	Q13772
Cytogenetics:	10q11.22
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Pathways in cancer, Thyroid cancer
MW:	69.7 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 (4) lacks an alternate in-frame exon in the 5' coding region and uses a downstream start codon, compared to variant 1. This variant (4) 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>