

Product datasheet for **MR230721**

Ncoa4 (NM_001033988) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncoa4 (NM_001033988) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncoa4
Synonyms:	ARA70; Rfg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230721 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACACATCCCTGGAACAGAGTGGCTGCTACAGTAATAGAGAACTCTTCTGAGGTGCGATGATGCAA
 GGAGGGAGCTGGAGCTTGTCTATTGGTGGAGTACTTCGGGCTGAACAGCAAATTAAGATAATTTACGAGA
 GGTAAAAGCTCAGATTCACAGCTGCATAAGTCGCCACCTGGAATGCCTTCGGAGCCGAGAGGTGTGGCTC
 AATGAACAGGTCGATCTCATCTATCAGCTTAAAGAGGAGACACTGCAGCAGCAGGCTCAGCAGCTTATT
 GGCTAATGGGCCAATTCAATTGTCTTATTCATCAACTGGAGTATACTCAGAACAAAGATCTTGCCAAATCA
 AGTCTCTGTGTGCTTGGAGAGACTGGGCAGTTGGCCCTGAAGCCTGAAGATTCAACTGTCCTACTCTTT
 GAAGCAGATACATCTGCTCTGCGCCAGACCATCACCACATTTGGATCCCTTAAGACCATTCAAATCCCTG
 AGCATCTGATGGCTCACGCGAGCTCCTCAAGTATTGGCCTTTCCTAGAGAAAAGAGGCTATATCCAGGT
 GCCAGAGCAGAAGTCAGCATCCAGTGGCACAGCTGTATCTCTGAGTGAGTGGCTTCTTGAAGCAAACCT
 GCCATTGGTCTTCAAGGCTCCTTATGTACCCAGTACCAACCCACAGGACTGGCTTATCCCAAAACAGACTT
 CAGAGAATAGTCAGACTTCTGCCAGAGCCTGCAGTTTCTTCAGCGATGCCTGGGGCAATCTGAAGGGCTT
 AGAAAAATTGGCTCCTTAACAGTCATCAACAAGAAATTGCTGGAAAACCAAGTTTCTCAAAATGTAACAGC
 CATTGTAGCACCAGTTCTTTCTCTCCTGAAGCTGAAAAGGCTGAAGATGTAGAGCTCCTTGATCAAGACG
 AGCTGGACCTGTCTGATTGGTTGGTGACTCCTCAGGAACCCTGTGAGCTGGAGAAGCCTGTGGATGGCAG
 CTGGGAAACCAGCGAGAAGTTTAACTCTGTTCAGGTGTTCCAGAGCCCTACAATGTGAGTGATTGG
 CCAATCTGAAATGCCTAAATGACCACTTGGAGGCCAAAAAATCAGTGTGCGTCCCGGCCCAACAATCAG
 CGACGGCTGGCTTGCCCAAGAACATCAGGACACATGGAAGTAGAGGAAGTGTGTAAGCCAACGAGCCC
 TGACCAGTTTTGCAGAGTGTGTGTGATGACAACCTGTGAGAAGGAAGCCATGTATAAATGGCTTCTGA
 AGAAGGGAGGAAAGGACAAGAATGGAATGCCTATGGAACCTAAATCTGAGCCTGAGAAACACAGAGAGTC
 CCTGACACTGTGGCTCTGCCCTTCCAGAAATGAGCTAACAGAACAAAGCTAAGGCACCCAAGGCTATGGCT
 CCTGCTAGAATTGCTGATTCCTTCCACGTATAAAGAATAGTTCTTGTGAGAGTGGCTTATGGGCCTA
 CGTGCAAAGGAGGCCCTAAGGACGTGCCTAATACAGAGGAGAGAGCTGGCAAAGAGATGCTTCAAAGCTC
 CATGGCCACTTCTGGTGTCCCTTAACTGCCGACTGGGTTTTACCAGGAAAGAAAGTGGGAAGCCTC
 AGCCAGTTCCTCTGGAGAAGATAAGTGGCTACTTCGAAAGAAGGCACAGGAAGCATTTCTTAATTCAC
 CCTACAAGAAGAACGTAACCTTTCGCCCGACTGTTACGGCTCCAGCAGTTTTGTGATCTCTTTGCCTG
 TATGCAGCTTAAGGTTGATAAAGAAAAATGGCTGTACAGAACTCCTCTACAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230721 protein sequence
 Red=Cloning site Green=Tags(s)

MNTSLEQSGCYSNRETLRCSARRELELAIGGVLRAEQQIKDNLREVKAQIHSCISRHLECLRSREVWL
 NEQVDLIYQLKEETLQQQAQQLYWLMGFNCLIHQLEYTQNKDLANQVSVCLERLGLALKPEDSTVLLF
 EADTSALRQITITFGSLKTIQIPEHLMAHASSSSIGPFLEKRGYIQVPEQKSASSGTAVSLSEWLLVSKP
 AIGLQAPYVPSTNPQDWLIPKQTSNSQTSARACSFSDAWGNLKGLENWLLNSHQEIQAGKPSSSKCN
 HCSTSSFPEAEKAEDVELLDQDELDSLVDLWTPQEPCELEKPVDSWETSEKFKLLFQVFPYVSDW
 LVKPDSCNQCQNPQPRGVEIENLGNLKLNDHLEAKKSVVPGATISDGWLAQNHQDTWKVEEVCKANEP
 CTSAEVCDDNCEKEAMYKWLKKGKDKNGMPMEPKSEPEKHRESLTLWLCPSRNELTEQAKAPKAMA
 PARIADSFHVIKNSSLSEWLMGPTCKGGPKDVPNTEERAGKEMLQSSMATSWCPFNTADWVLPKKGVSL
 SQFPSGEDKWLRLKKAQEAFLNSPLQEERNFRPDCYGLPAVCDLFAQMQLKVDKEKWLVRTPLQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033988

ORF Size: 1878 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001033988.2](#), [NP_001029160.1](#)

RefSeq Size: 4043 bp

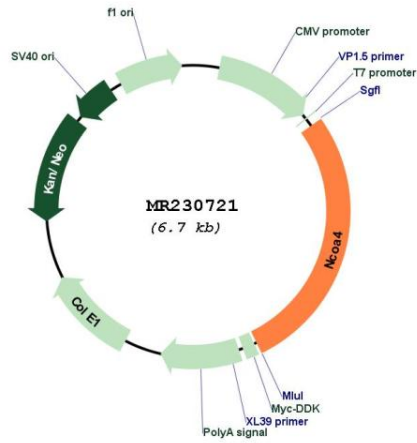
RefSeq ORF: 1878 bp

Locus ID: 27057

Cytogenetics: 14 B

MW: 70.4 kDa

Product images:



Circular map for MR230721