

## Product datasheet for **MG209544**

### **Ncoa4 (NM\_019744) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ncoa4 (NM_019744) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncoa4
Synonyms:	ARA70; Rfg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209544 representing NM\_019744  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACACATCCCTGGAACAGAGTGGCTGCTACAGTAATAGAGAACTCTTCTGAGGTGCGATGATGCAA  
 GGAGGGAGCTGGAGCTTGTCTATTGGTGGAGTACTTCGGGCTGAACAGCAAATTAAGATAATTTACGAGA  
 GGTAAAAGCTCAGATTCACAGCTGCATAAGTCGCCACCTGGAATGCCTTCGGAGCCGAGAGGTGTGGCTC  
 AATGAACAGGTCGATCTCATCTATCAGCTTAAAGAGGAGACACTGCAGCAGCAGGCTCAGCAGCTTATT  
 GGCTAATGGGCCAATTCAATTGTCTTATTCATCAACTGGAGTATACTCAGAACAAAGATCTTGCCAAATCA  
 AGTCTCTGTGTGCTTGGAGAGACTGGGCAGTTGGCCCTGAAGCCTGAAGATTCAACTGTCCTACTCTTT  
 GAAGCAGATACATCTGCTCTGCGCCAGACCATCACCACATTTGGATCCCTTAAGACCATTCAAATCCCTG  
 AGCATCTGATGGCTCACGCGAGCTCCTCAAGTATTGGCCTTTCCTAGAGAAAAGAGGCTATATCCAGGT  
 GCCAGAGCAGAAGTCAGCATCCAGTGGCACAGCTGTATCTCTGAGTGAGTGGCTTCTTGAAGCAAACCT  
 GCCATTGGTCTTCAGGCTCCTTATGTACCCAGTACCAACCCACAGGACTGGCTTATCCCAAAACAGACTT  
 CAGAGAATAGTCAGACTTCTGCCAGAGCCTGCAGTTTCTTCAGCGATGCCTGGGGCAATCTGAAGGGCTT  
 AGAAAAATGGCTCCTTAACAGTCATCAACAAGAAATGCTGGAAAACCAAGTTTCTCAAAATGTAACAGC  
 CATTGTAGCACCAGTTCTTTCTCTCCTGAAGCTGAAAAGGCTGAAGATGTAGAGCTCCTTGATCAAGACG  
 AGCTGGACCTGTCTGATTGGTTGGTGACTCCTCAGGAACCCTGTGAGCTGGAGAAGCCTGTGGATGGCAG  
 CTGGGAAACCAGCGAGAAGTTTAACTCTGTTCAGGTGTTCCAGAGCCCTACAATGTGAGTGATTGG  
 CTAATCTGAAATGCCTAAATGACCACTGGAGGCCAAAAAATCAGTGTGCGTCCCGGCCAACAATCAG  
 CGACGGCTGGCTTGCCCAAGAACCATCAGGACACATGGAAGTAGAGGAAGTGTGTAAGCCAACGAGCCC  
 TGCACCAGTTTTGCAGAGTGTGTGTGATGACAACCTGTGAGAAGGAAGCCATGTATAAATGGCTTCTGA  
 AGAAGGGAGGAAAGGACAAGAATGGAATGCCTATGGAACCTAAATCTGAGCCTGAGAAACACAGAGAGTC  
 CCTGACACTGTGGCTCTGCCCTTCCAGAAATGAGCTAACAGAACAAAGCTAAGGCACCCAAGGCTATGGCT  
 CCTGCTAGAATTGCTGATTCCTTCCACGTATAAAGAATAGTTCTTGTGAGAGTGGCTTATGGGCCTA  
 CGTGCAAAGGAGGCCCTAAGGACGTGCCTAATACAGAGGAGAGAGCTGGCAAAGAGATGCTTCAAAGCTC  
 CATGGCCACTTCTGGTGTCCCTTAACTGCCGACTGGGTTTTACCAGGAAAGAAAGTGGGAAGCCTC  
 AGCCAGTTCCTCTGGAGAAGATAAGTGGCTACTTCGAAAGAAGGCACAGGAAGCATTTCTTAATTCAC  
 CCTACAAGAAGAACGTAACCTTTCGCCCGACTGTACGGCTCCAGCAGTTTTGTGATCTCTTTCCTG  
 TATGCAGCTTAAGGTTGATAAAGAAAAATGGCTGTACAGAACTCCTCTACAGATG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209544 representing NM\_019744  
 Red=Cloning site Green=Tags(s)

MNTSLEQSGCYSNRETLRCS DARRELELAIGGVLR AEQQIKDNLREVKAQIHSCISRHLECLRSREVWL  
 NEQVDLIYQLKEETLQQQAQQLYWLMGFNCLIHQLEYTQNKDLANQVSVCLERLGSALKEPEDSTVLLF  
 EADTSALRQITITFGSLKTIQIPEHLMHASSSSIGPFLEKRGYIQVPEQKSASSGTAVSLSEWLLVSKP  
 AIGLQAPYVPSTNPQDWLIPKQTSENSQTSARACSFSDAWGNLKGLENWLLNSHQEIAGKPSSSKCNS  
 HCSTSSFPEAEKAEDVELLDQDELDSLVDLWVTPQEPCELEKPVDSWETSEKFKLLFQVFPYVNSDW  
 LKVPDSTNCQGNQPRGVEIENLGNLCLNDHLEAKKSVSVPGATISDGWLAQNHQDTWKVEEVCKANEP  
 CTSFAECVDDNCEKEAMYKWLKKGKDKNGMPMEPKSEPEKHRESLTLWLCPSRNELTEQAKAPKAMA  
 PARIADSFHVIKNSSLSEWLMGPTCKGGPKDVPNTEERAGKEMLQSSMATSWCPFNADWVLPKKGVSL  
 SQFPSGEDKWLRLRKAQEAFLNSPLQEERNFRPDCYGLPAVCDLFAQMQLKVDKEKWLRYRPLQM

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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>	<a href="#">NM_019744.4</a> , <a href="#">NP_062718.2</a>
<b>RefSeq Size:</b>	3458 bp
<b>RefSeq ORF:</b>	1878 bp
<b>Locus ID:</b>	27057
<b>Cytogenetics:</b>	14 B