

Product datasheet for **MG212502**

Ncoa7 (NM_172495) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncoa7 (NM_172495) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncoa7
Synonyms:	9030406N13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG212502 representing NM_172495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATACTAAGGAAGAGAAGAAGGAACAGAAGGAACGGAACAGAGTTATTTTGTAGACTAAAAAGA
 AAAAAACAAGCCAAACAAAATGCAGAGATAGTTTACAGTGCCTCGAAGAGTCGTTCCGGGAAAGATGA
 TGCTAATTCAGACATTTTGAACAAGACAAGTTCAACGTTACAGCAGAGGGGGACCATAGCACTGATGAC
 AAAAAAGAGAAAAAGTAACCAGTTAAAGGAAATCAGGCGCACGGAACTGAAGAGATACTACAGTGTTG
 ATGACAATCAAAACAAAACCTCATGATAAAAAAGAGAAGAAGATGATGGTCCAAAAGCCACAGGGCACCAT
 GGAATACACTGCTGGAAGCCAGGACACCCTCAACTCTGTTGCACTGAAGTTTAACTGCACTCCCAATAAA
 TTAGTGGAAATGAATAAACTCTTACACACACTATTGTTCCAGGCCAGGTCTGTTGTGCCAGATGCCA
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 ATGGAAAGGGTGTGGTTGGGGGTGTCATGATTGCTCACTCCTAACACATCATGTTTGACCCTCATAAGTC
 CGATCCCTTAGTGATTGAAAACGGTTGCGAAGAATATGGTCTCATCTGCCCATGGAAGAGGTGGTCTCC
 ATTGCCCTGTACAGTGACATATCCACATGAAGATCAAAGACGCCTTGCCATCTGACCTACCTCGGGATC
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 TCTCTTCCCAAGCAGGTGATCCCCACCTGAGGACAACAAGAGCCAGGTACACTCTGGGTAAGGGGG
 GAGAAACTCTGCCCTGAACTAGATCCTAGTGCAGAGGAAACTGTAATTAACAATAAAGAGGTTCTGGA
 TTCTTTGGGATCATCTCTAGACAAGATGTGTCACAGTGCACAGATGGATAACAAATCTGAGATTCAGTTA
 TGGCTGTTAAAGAGAATTCAGGTACCAATTGAAGATATACTTCCCTCAAAAGAAGAGAAGAGTAAGACCC
 CGCCCATGTTTCTGTGCATCAAAGTGGGAAAGCCAATGAGAAAATCCTTTGCCAGTCAACCCGCCACCAT
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 GAAGAGGGACTGCCTATCCTACAGCCCCACAGTGCACCTCGGAAAACATGCACATCGAACAGCTGGCCC
 GACGACTTCCAGCCAGGTACAAGGCTATCCATGGAGACTGGCCTACAGCACATTAGAGCATGGAACGAG
 CTTGAAGACTCTCTACAGGAAATCAGCATCTCTAGATAGTCTGTTCTTTTGGTCACTAAAGACATGGAT
 AACAGATATTTGGGGCATATGCAACTCATCCCTCAAGTTCAGTGACCACTATTATGGCACAGGCGAAA
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 TGGAGACATAAGTTCTTTAGAAGTGGTGGTGGAGGGGACGATTTGGTCTGGCTAGATGCTGATTTA
 TATCATGGACGCAGCAACTCTTGCAGTACTTTAATAATGATATCCTTTCAAAAAAGAAGACTTCATAG
 TTCAGGACCTAGAGGTATGGACATTTGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG212502 representing NM_172495
 Red=Cloning site Green=Tags(s)

MDTKEEKKEQKERKQSYFARLKKKKQAKQNAEIVSAASSKSRSGKDDANSDILEQDKFNVTAEGDHSTDD
 KKKRKSQNLKEIRRTELKRYYSVDDNQNKTHDKKEKMMVQKPQGTMEYTAGSQDTLNSVALKFNVTPNK
 LVELNKLFTHTIVPGQVLFVPDANISSSTIQLSSSTPGATVSPSSSDAEYDKLPDADLARKALKPIERV
 SSTSEDEPGVVKFLKMNCRYFTDGKGVVGGVMIVTPNNIMFDPHKSDPLVIENGCEEYGLICPMEEVVS
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 VRSPPEESTERTCTRIEPPDNSELWKLKQLQSSRGTTSSESPSVTQLSMRAALEPTAKENCLLKGDEDFVDL
 EELSSQPESGINKGDATKECLSYDQKKDGPHTVMSAKKGHVQSAQEVMPESDTELKALDLETAEKQDE
 APEVDKHSGSPENLGESTLNIHEDLDKIKLIEFYLNKNKEGSQLENNVQKSELSDRKSIEPGGIDITLSS
 SLPQAGDSPEDNKEPGLWVKGGETLPLKLDPSAEETVINNKEVLDLGSLLDKMCHSAQMDNKSEIQL
 WLLKRIQVPIEDILPSKEEKSKTPPMFLCIKVGKPMRKSASFASHTATMVQYSKRRKQPEYWFVAVPRERVD
 HLYTFFVQWSPDVYVGDAKEQGFVVVEKEELNMIDNFFSEPTTKSWEIITVEEAKRRKSTCSYEEEEEE
 EEGLPILQPHSALLENMHIEQLARRLPARVQGYPWRLAYSTLEHGTSLKTLYRKSASLDSPLLVIKDM
 NQIFGAYATHPFKFS DHYYGTGETFLYTFSPNFKVFKWSGENSYFINGDISSLELGGGGGRFGLWLDADL
 YHGRSNCSTFNNDILSKKEDFIVQDLEVWTFE

TRTRPLE - GFP Tag - V

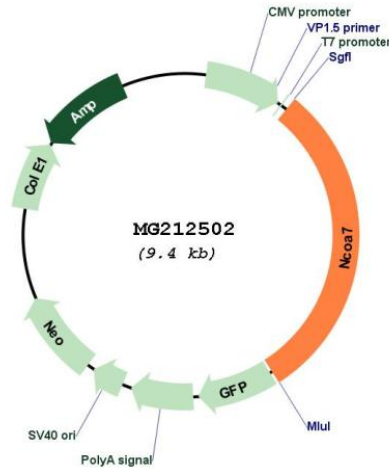
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172495

ORF Size: 2829 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_172495.6](#)

RefSeq Size: 5134 bp

RefSeq ORF: 2832 bp

Locus ID: 211329

UniProt ID: [Q6DFV7](#)

Cytogenetics: 10 A4

Gene Summary:

Enhances the transcriptional activities of several nuclear receptors. Involved in the coactivation of different nuclear receptors, such as ESR1, THRB, PPARG and RARA (By similarity).[UniProtKB/Swiss-Prot Function]