

Product datasheet for **MG211965**

Ncoa3 (NM_008679) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncoa3 (NM_008679) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncoa3
Synonyms:	2010305B15Rik; Actr; Aib1; AW321064; bHLHe42; KAT13B; p/Cip; pCip; Rac3; Src3; Tram-1; Tram1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211965 representing NM_008679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGACTAGGCGAAAGCTCTTTGGATCCGCTGGCCGCTGAGTCTCGGAAACGCAAACCTGCCCTGTG
ATGCCCCAGGACAGGGGCTTGTCTACAGTGGTGAAGTGGCGACGGGAGCAGGAGCAAGTACATAGA
GGAGCTGGCAGAGCTCATCTCTGCAAAATCTCAGCGACATCGACAACCTCAATGTCAAGCCAGATAAATGT
GCCATCTAAAGGAGACAGTGAACAGATACGGCAAATAAAGAACAAGGAAAACTATTTCCAGTGATG
ATGATGTTCAAAAAGCTGATGTGCTTCTACAGGGCAGGGAGTCATTGATAAAGACTCTTAGGACCGCT
TTTACTACAGGCACTGGATGGTTTCTGTTTGTGGTGAATCGAGATGGAAACATTGTATTCGTGTCAGAA
AATGTCACACAGTATCTGCAGTACAAGCAGGAGGACCTGGTTAACACAAGTGTCTACAGCATCTTACATG
AGCAAGACCGGAAGGATTTCTTAAACACTTACCAAAATCCACAGTAAATGGAGTTTCTTGACTAATGA
GAACCAGAGACAAAAAGCCATACATTTAATTGTCGTATGTTGATGAAAAACACACGACATTTTGGAGAGC
GTGAATGCCAGTCCCGAAACACGCCAGAGATATGAAACAATGCAGTGCCTTGGCCCTGTCTCAGCCTCGCG
CTATGCTGGAAGAAGGAGAAGACTTGCAGTGTGTATGATCTGCGTGGCTCGCCGCTGACTGCGCCATT
CCCATCCAGTCTGAGAGCTTTATTACCAGACATGACCTTCCGGAAAGGTTGTCAATATAGATACAAAC
TCACTTAGATCTCCATGAGGCCTGGCTTTGAAGACATAATCCGAAGATGTATCCAGAGGTTCTTCAGTC
TGAATGATGGGCAGTCATGGTCCCAGAAGCGTCACTATCAAGAAGCTTATGTTTATGGCCACGCAGAGAC
CCCCGTGATCGTTTCTCCTTGGCTGATGGAACATTGTGAGTGGCAGACAAAAAGCAAACCTTCCGC
AATCCTGTAACGAATGATCGTACGGCTTCATCTCGACCCACTTCTTCCAGAGAGAACAGAAATGGATACA
GACCAAAACCAAATCCCGCAGGACAAGGCATCCGACCTCCTGCAGCAGGGTGTGGCGTGAGCATGTCTCC
AAATCAGAATGTACAGATGATGGCAGCCGGACCTATGGCGTGCCAGACCCAGCAACACAGGGCAGATG
GGTGGAGCTAGGTACGGGCTTCTAGTAGCGTAGCCTCACTGACGCCAGGACAAAGCCTACAGTCGCCAT
CTTCTATCAGAACAGCAGCTATGGGCTCAGCATGAGCAGTCCCCCACGGCAGTCTGGTCTTGGTCC



[View online »](#)

CAACCAGCAGAACATCATGATTTCCCCTCGGAATCGTGGCAGCCCAAAGATGGCCTCCCACCAGTTCTCT
CCTGCTGCAGGTGCACACTCACCCATGGGACCTTCTGGCAACACAGGGAGCCACAGCTTTTCTAGCAGCT
CCCTCAGTGCCTTGAAGCCATCAGTGAAGGCGTGGGGACCTCTCTTTTACTACTCTGTCTCACCAGG
CCCCAACTGGATAATTCTCCAATATGAATATAAGCCAGCCAAGTAAAGTGAGTGGTCAGGACTCTAAG
AGCCCCTAGGCTTACTGTGAACAGAATCCAGTGGAGAGTTCAGTGTGTGCAGTCAAACAGCAGAGATC
ACCAAAGTGAAAAAGAAAGCAAGGAGAGCAGTGGGGAGGTGTAGAGACGCCAGGGGACCTCTGGAAAG
CAAAGGCCACAAGAAACTGCTGCAGTTACTCACGTGCTCCTCCGACGACCGAGGCCATTCCTCCTGACC
AACTCTCCCCTGGATCCAAACTGCAAAGACTCTTCCGTTAGTGTACCAGCCCTCTGGAGTGTCCCTCT
CAACATCAGGGACAGTGTCTTCCACCTCCAATGTGCATGGGTCTCTGTTGCAAGAGAAACACCGGATTTT
GCACAAGTTGCTGCAGAAATGGCAACTCCCAGCGGAGGTGCGCAAGATCACTGCAGAGGCCACTGGGAAG
GACACGAGCAGCACTGCTTCTGTGGAGAGGGGACAACCAGGCAGGAGCAGCTGAGTCTAAGAAGAAGG
AGAATAATGCTCTGCTTAGATACCTGCTGGACAGGGATGACCCCACTGATGTGCTTGCCAAAGAGCTGCA
GCCCCAGGCCGACAGTGGGGACAGTAACTGAGTCACTGCAGCTGCTCCACCAATCCCAGCTCTGGCCAA
GAGAAAGACCCCAAAATTAAGACCGAGACGAACGAGGAGGTATCGGGAGACCTGGATAATCTAGATGCCA
TTCTTGGAGATTTGACCAGTTCTGACTTCTACAACAATCTACAATGGCGGTCAACCAGGGGCCAAACA
GCAGATGTTTGCAGGACCGAGTTCTCTGGGTTTGCAGAGTCCACAGCCTGTGCAGTCTGTTGCTCCTCCA
TATAACCGAGCGGTGCTCTGGATAGCCCTGTGTCTGTTGGCTCAGGTCCGCCAGTGAAGAATGTCAGTG
CTTTCCCTGGGTTACCAAAACAGCCCACTACTGGCTGGGAATCCAAGAATGATGGATAGTCAGGAGAATTA
CGGTGCCAACATGGGCCCAACAGAAATGTTTCTGTGAATCCGACTTCTCCCCCGGAGACTGGGGCTTA
GCTAACTCAAGGGCCAGCAGAATGGAGCCTCTGGCATCAAGTCCCTGGGAAGAACTGGAGCCGATTACA
GTGCCACTTTACCCAGACCTGCCATGGGGGCTCTGTGCCTACCTTGGCACTTCGTTCTAATCGACTGCC
AGGTGCAAGACCATCGTTGCAGCAACAGCAGCAGCAACAGCAGCAACAGCAACAACAGCAGCAACAG
CAGCAGCAACAGCAGCAGCAGCAACAGCAGCAGATGCTTCAAATGAGAAGTGGTGAGATTTCCATGGGAA
TGGGAGTCAATCCCTATAGCCCAGCAGTGCCTTAACCAACCAGGTTCCTGGCCAGAGGCATGCTCTC
TATGGAACAAGGTCTCACGGGTCTCAAAATAGGCCTTCTTCTAGAACTCTCTGGATGATCTGTTGGG
CCACCTTCTAACGCAGAGGGCCAGAGTACGAGAGAGCTCTGCTGGACCAGCTGCACACACTCTGAGCA
ACACAGATGCCACAGGTCTGGAGGAGATCGACAGGGCCTTGGGAATTCCTGAGCTCGTGAATCAGGGACA
AGCTTTGGAGTCCAAACAGGATGTTTTCAAGGCCAAGAAGCAGCAGTAATGATGGATCAGAAGGCTGCA
CTATATGGACAGACATACCCAGCTCAGGGTCTCCCCTCAAGGAGGCTTTAACCTTCAGGGACAGTCAC
CATCGTTAACTCTATGATGGGTCAGATTAGCCAGCAAGGCAGCTTTCCTCTGCAAGGCATGCATCCTAG
AGCCGGCCTCGTGAGACCAAGGACCAACACCCCGAAGCAGCTGAGAATGCAGCTTCAGCAGAGGCTACAG
GGCCAGCAGTTTTTAAATCAGAGCCGGCAGGCACTTGAAATGAAAATGGAGAACCCTGCTGGCACTGCTG
TGATGAGGCCATGATGCCCCAGCAGGCTTTCTTAAATGCCAAATGGCTGCCAGCAGAAACGAGAGCT
GATGAGCCATCACCTGCAGCAGCAGAGGATGGCGATGATGATGTCACAACCACAGCCTCAGGCCTTCAGC
CCACCTCCAACGTCAACCGCTCCCCAGCATGGACGGGGTTTTGGCAGGTTTCAGCAATGCCGAAGCCC
CTCCACAACAGTTTCCATATCCAGCAAATACGGAATGGGACAACCACCAGAGCCAGCCTTTGGTCGAGG
CTCGAGTCTCCAGTGAATGATGTCAAGAATGGGGCTTCCAGAATGCCATGGTGCAGCATCCT
CAGCCCACACCCATGTATCAGCCTTCAGATATGAAGGGGTGGCCGTGAGGAACTGGCCAGGAATGGCT
CCTTCCCCCAGCAGCAGTTTGTCCCCAGGGGAACCCTGCAGCCTACAACATGGTGCATATGAACAGCAG
CGGTGGGCACTTGGGACAGATGGCCATGACCCCATGCCATGTCTGGCATGCCATGGGCCCGATCAG
AAATACTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211965 representing NM_008679
 Red=Cloning site Green=Tags(s)

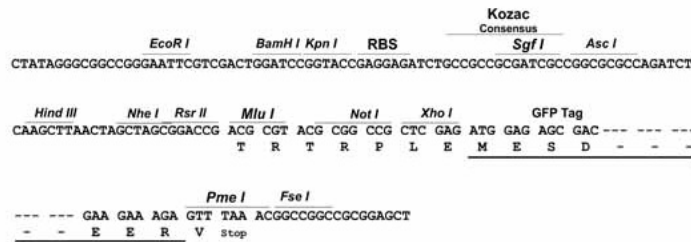
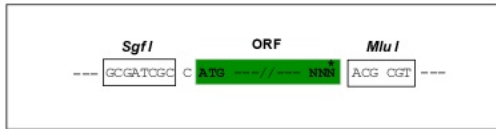
MSGLGESSLDPLAAESRKRKLPDAPGQGLVYSGEKWRREQESKYIEELAE LISANLSDIDNFNVKPKDK
 AILKETVRQIRQIKEQGKTISSDDDVQKADVSSTGQGVIDKDSLGPLLLQALDGLFVFNDRGNI VVSE
 NVTQYLQYKQEDLVNTSVYSILHEQDRKDFLKHLPKSTVNGVSWTNNENQRQKSHTFNCRMLMKTHDILED
 VNASPETRQRQYETMQCFALSQPRAMLEEGEDLQCCMICVARRVTAPFPSSPEF ITRHDL SGKVVNIDTN
 SLRSSMRPGFEDIIRRCIQRFFSLNDGQSWQKRHYQEAYVHGHAETPVYRFLADGTIVSAQTKSKLFR
 NPVTNDRHGFISTHFLQREQNGYRPNPNPAGQGIRPPAAGCGVSMSPNQNVQMMGSRTYGPDPDPSNTGQM
 GGARYGASSVSLTPGQSLQSPSSYQNSSYGLSMSSPPHGSPGLGPNQQNIMISPRNRGSPKMASHQFS
 PAAGAHSPMGPSGNTGSHSFS SSSLSALQAISEGVGTSLLSTLSSPGPKLDNSPNMNI SQPSKVSQGDSK
 SPLGLYCEQNPVESSVCQNSRDHPSEKESKESSEGEVSETPRGPLESKGHKLLQLLTCSSDDRGHSSLT
 NSPLDPNCKDSSVSVTSPSGVSSSTSGTVSSTSNVHGSLLQEKHRI LHKLLQNGNSPAEVAKITAEATGK
 DTSSSTASCGEGTTRQEQ LSPKKKENALLRYLLDRDDPSDVLAKELQPQADSGDSKLSQCSCSTNPSSGQ
 EKDPKIKTETNEEVSGDLNDLDAI LGDL TSSDFYNNPTNGGHPGAKQQMFAGPSSLGLRSPQVQSVRPP
 YNRAVSLDSPVSVSGSPVKNVSAFPGLPKQPILAGNPRMMSQENYGANMGNPNRNPVNPNTSSPGDWGL
 ANSRASRMEPLASSPLGRTGADYSATLPRPAMGGSVPTLPLRSNRLPGARPSLQQQQQQQQQQQQQQQ
 QQQQQQQQQQMLQMRTEIPIPMGMGNPYPSPAVPSNQPGSWPEGMLSMEQPHGSQLRPLLRNSLDDLGG
 PPSNAEQSDERALLDQLHTLLSNTDATGLEEIDRALGIPELVNQGQALESKQDVFQGEAAVMMDQKAA
 LYGQTYPAQGPPLQGGFNLQGGSPSFNSMMGQISQQGSFPLQGMHPRAGLVRPRTNTPKQLRMQLQQR LQ
 GQQFLNQSRQALEMKMENPAGTAVMRPMPQQAFFNAQMAAQKRELM SHHLQQQRMAMMSQPQPAFS
 PPPNVTASPSMDGVLAGSAMPQAPPQQFPYPANYGMGQPPPEAFGRGSSPPSAMMS SRMGSPQNAMVQHP
 QPTPMYQPSDMKGWPSGNLARNGSFPQQQFAPQGNPAA YNMVHMNSSGGHLGQMAMTPMPMSGMPMPDQ
 KYC

TRTRPLE - GFP Tag - V

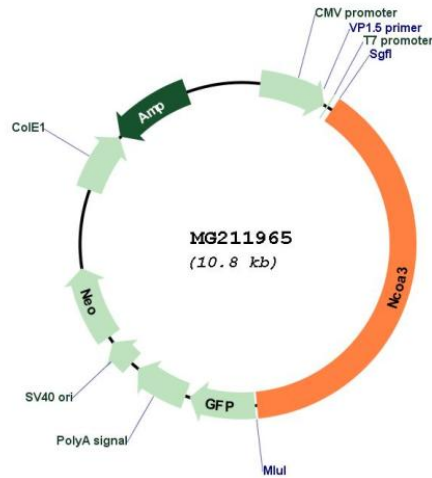
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008679

ORF Size: 4209 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_008679.3](#), [NP_032705.2](#)

RefSeq Size: 7571 bp

RefSeq ORF: 4212 bp

Locus ID: 17979

Cytogenetics: 2 H3