

Product datasheet for **MG226953**

Nuggc (NM_001195674) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuggc (NM_001195674) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nuggc
Synonyms:	Gm600; SLIP-GC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG226953 representing NM_001195674
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTGGACTCTATGAAATCCAAGGAGGAGCTCGGAGTAGCACCTCTTGGGACCGGCTATTCCAGTT
 CATTCCAAGGCGTTTCCCTGCTGACTGCGATCTGTTTAAAGAACCTGTTAGGAAAAGACGCAGGTTGCA
 TCGAGACCGCAATTCCAGGCCCTTCTCTGTCAGAGCAAAGTGCTTTAAGGAATATGAAAACTGGAG
 TGTCCGACCAGGAGGTTCTGAGCAACTTATCAGAAATTGATTCAGTCTGTCTTCTGGATGACAGCA
 TTCCAGCGGACTCAAGTATCTCATAAACCGGCTTCTTGCCTTGATTGAAAAATCCCCACTGGAGCCAGT
 CTATGTGGGGTTCTTGGGAATCACTGGAGCTGGCAAGAGCTCTCTGATCAATGCCCTCATCCGGCAAGCA
 ATGTTTCTGCCTGTGTCTGGAGAAAGTGTTCACATCATGCATCGTACAAGTGAGCTCTGGCTGTGTG
 AGCAGTATGAGGCCAAAATTCACCTTCTGTCCGATCAGGAGTGAAGGCAGAAGTGAAGGACTTGACTAA
 GCTCCTGCACAGAGCAGAGCAGTCTGGGAAGAGGAGGCAGACTTGTGGGACAGGGATGATGCAACGGAA
 GAAGCTGCCCAGAAGCTACGGATGCTCTATGGCCATGGGGCAGAAAGGAGGCACTACGAGGAGTTGCTAA
 GGCTGAAGCCCAGAGGGAGGATTCCCAACTCGAGAACCATCACTCTAAAGGCAGAGGAGGAGGAGAGCT
 ATCTGTCAAACCTGGACCCCTACATCAGGACCAGGAGGAGAGACTGGGATGGAGAATCAGCAGAGACACAA
 ATCTGGCCCTTGATCAAAATATGTGGAAGTGATTCTTCCAAATCTGCACTGATCCCAGAAGGGGTTGTCC
 TGGTAGACATCCAGGCACAGGAGACTTCAACAGCAAGAGGGATAAAATGTGGAAAAAGACCATTGACAA
 GTGTTCCGTGATCTGGGTGATCAGCGACATCGAGCGAGTTTCTGGAGGAAAGACCCATGAAGACCTTCTG
 AGCGAGAGCATCAAAGCCTGCCAGCGTGGCTTCTGCAGGGACATCGCCCTGGTGGTCAACAAAACAGACA
 AACTCCACTTGCAGGAATATCTCAGGAAAGAAAGATGGGAAATCAAGCTATTCAGAGTCAGAGAGAAGC
 GTTCTGCAAAGAAATGAAATAATCAAACCTACAAGGAAGAGAATGCTCAAGGAGAAATGAAGAGAAAA
 CTGCCAGCTGACTCCAAGTTCTGGAAGCCTCAGATCTGGTGTACACGGTCAAGTGGCCATGAGTACTGGC
 AGCGGACCATCCTGACTGAGGAAGAAAGTGAATCCCCAAGTTAAGAGAAATATATTAGGAAAAGGATCTT
 GGACAAGAAGAGGAGGCTGGTGACCAAGTACGTACAGAAAGCCTTTGGCCTATTGCTTCTCACAGACAG
 TTAACACGGAGGAAAGCCTGCTGACTGAAGAAGTGAACACGGGTGGCCTGCGACAATTTGTAGAGGAGA
 AGATGGAGCTGTTGGAGAAGGCCATCGAGCAGTGTCTTGTCTGAATGGAACAGCCCTGCAGACAGGGGT
 CCAGGTGGCCATGACTTCTACCGCCGATCCTCGGGTCAATGCCTGGTGAAGGAGCAGAGGAAACCAAGT
 TTTACCAGACCCTGAAAGCAGTTTGCCTGAAAAATGGGGTCTATGCCTCCAGAAGTCTGGCCAGAATTG
 ACCTGAATGAAGCCCTGTCTCAGCCTATCTATGACCAGATTGACCCTGTATTTGGAGGCATTTTGGGGA
 TGGGAAGCCCCTGCCCTGCTCTGATGCAGCAGATAGATGCTTTCAAGCATTCCCTGGAGGAGAGGATG
 GCAGAAGTTGGGGTTAGAAGTGGCTGGAACAAGATGGATACAAGAGAAGCTTCTGATCCAGGAGATAA
 GCGCCATCCTGGGAGGCCCTGGAGAGCCACATCCTCCGAGGAAAAGGAAGATCTATAAGTCTGTCACCAG
 CTCCATCCAAAACGACCTGAAGCCCTGCTATGAAGAGGCAGCTCAGATCACTGGCAAGAAAGCATGCGAG
 AGAATGAAGGATGTCATCAGGAGAGGGGTGGAGCGCAGGTGGCTGAGGGCTTGTGAGAGGGCTCAAG
 AGAGGATGTGGCACCAGTTTCGACAGCTGAAGCATGGAATCACTGAGAAGGTCAAGGGCAGCATCACTAC
 CATGTTAACCTTGTGCACCCAGGGAGTTGGACTCTGCAAGGAGCTTGCAGATGTCCGGAATGAACAG
 AAGGAAATGGAAAAACTCTACAGAAGCCTGAGGGAGGTTGCTGAGAACGCACAGCTGCGGAGGAGCATGC
 AAGATTTCTCTGCGAATGTCCCCAGCAAAGCCGGCCCCCATGGAACAAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226953 representing NM_001195674
 Red=Cloning site Green=Tags(s)

```
MDLDSMKSKEELGVAPLGTGYSSSFQGVSPADCDFKEPVKRRRLHRDRQFQAFPSAEQSALKEYEKE
CRTRRVLNNTYQKLIQSVFLDDSIPLGLKYLINRLLALIEKSPLPVPYVGFGLGITGAGKSSLINALIRQA
MFLPVSGESVCTSCIVQVSSGCCEQYEAKIHLLSDQEWKAEKDLTKLLHRAEQSGEEADLWDRDDATE
EAAQKLRLMYGHGAERRHYEELLRLKPRGRIPNSRTITLKAEEAGELSVKLDPIYIRTRRRDWDGESAETQ
IWPLIKYVEVILPKSALIPGVVLDIPGTGDFNSKRDKMVKITDKCSVIWVISDIERVSGGKTHEDLL
SESIKACQRFCDIALVVTKTDLHLQEYLREKMGNAIQSQREAVLQRNEIIKLQRKRLKEKLRK
LPADSKVLEASDLVYTVSAHEYWQRTILTEEESIPLKREYIRKRILDKRRLVTKYVTEAFGLLLTDT
LNTEESLLTEELNTGGLRQFVEEKMELLEKAIEQCFARMEQPLQTVQVAMTSYRRILGSCLVRSRGNQG
FHQTLKAVCLKNGVYASRTLARIDLNEALSQPIYDQIDPVFGGIFRDGKPTAPALMQHIDAFKHSLEERM
AEVGVRSQGWKQDGYKRSFLIQEISAILGGLESHILRRKRKIYKSVTSSIQNDLKPCYEEAAQITGKKACE
RMKDVIIRRGVERQVAEGLFERAQMWHQFRQLKHGITEKVKGSITTMLTLAAPQGVGLCKELADVRNEQ
KEMEKL YRSLREVAENAQLRRSMQDFLLRMSPSKAGPHGTKL
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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_001195674.2](#), [NP_001182603.2](#)

RefSeq Size: 2567 bp

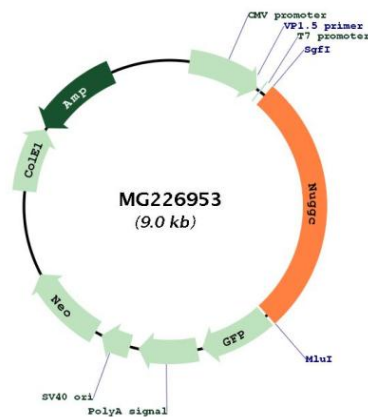
RefSeq ORF: 2439 bp

Locus ID: 100503545

Cytogenetics: 14 D1

Gene Summary: Nuclear GTPase found in germinal center B-cells, where it may inhibit function of the activation-induced cytidine deaminase AICDA (By similarity). Reduces somatic hypermutation in B-cells which may enhance genome stability (PubMed:22833677).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226953