

Product datasheet for **MC221828**

Nuggc (NM_001195674) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuggc (NM_001195674) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nuggc
Synonyms:	Gm600; SLIP-GC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221828 representing NM_001195674
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTGGACTCTATGAAATCCAAGGAGGAGCTCGGAGTAGCACCTCTTGGGACCGGCTATTCCAGTT
 CATTCCAAGGCGTTTCCCTGCTGACTGCGATCTGTTTAAAGAACCTGTTAGGAAAAGACGCAGGTTGCA
 TCGAGACCGCAATTCCAGGCCCTTCTCTGTCAGAGCAAAGTGCTTTAAGGAATATGAAAACTGGAG
 TGTCGGACCAGGAGGGTCTTGAGCAACTTATCAGAAATTGATTCAGTCTGTCTTCTGGATGACAGCA
 TTCCCAGCGGACTCAAGTATCTCATAAACCGGCTTCTTGCCTTGATTGAAAAATCCCCACTGGAGCCAGT
 CTATGTGGGGTCTTGGGAATCACTGGAGCTGGCAAGAGCTCTCTGATCAATGCCCTCATCCGGCAAGCA
 ATGTTTCTGCCTGTGTCTGGAGAAAGTGTTCACATCATGCATCGTACAAGTGAAGTCTGGCTGTGTG
 AGCAGTATGAGGCCAAAATTCACCTTCTGTCCGATCAGGAGTGAAGGCAGAAGTGAAGGACTTGACTAA
 GCTCCTGCACAGAGCAGAGCAGTCTGGGAAGAGGAGGCAGACTTGTGGGACAGGGATGATGCAACGGAA
 GAAGCTGCCCAGAAGCTACGGATGCTCTATGGCCATGGGGCAGAAAGGAGGCACTACGAGGAGTTGCTAA
 GGCTGAAGCCCAGAGGGAGGATTCCCAACTCGAGAACCATCACTCTAAAGGCAGAGGAGGAGGAGAGCT
 ATCTGTCAAACCTGGACCCCTACATCAGGACCAGGAGGAGAGACTGGGATGGAGAATCAGCAGAGACACAA
 ATCTGGCCCTTGATCAAAATATGTGGAAGTGATTCTTCCAAATCTGCACTGATCCCAGAAGGGGTTGTCC
 TGGTAGACATCCAGGCACAGGAGACTTCAACAGCAAGAGGGATAAAATGTGGAAAAAGACCATTGACAA
 GTGTTCCGTGATCTGGGTGATCAGCGACATCGAGCGAGTTTCTGGAGGAAAGACCCATGAAGACCTTCTG
 AGCGAGAGCATCAAAGCCTGCCAGCGTGGCTTCTGCAGGGACATCGCCCTGGTGGTCACCAAAACAGACA
 AACTCCACTTGCAGGAATATCTCAGGAAAGAAAGATGGGAAATCAAGCTATTCAGAGTCAGAGAGAAGC
 GTTCTGCAAAGAAATGAAATAATCAAACCTACAAGGAAGAGAATGCTCAAGGAGAAATTGAAGAGAAAA
 CTGCCAGCTGACTCCAAGTTCTGGAAGCCTCAGATCTGGTGTACACGGTCAGTGCCCATGAGTACTGGC
 AGCGGACCATCCTGACTGAGGAAGAAAGTGAATCCCCAAGTTAAGAGAAATATATTAGGAAAAGGATCTT
 GGACAAGAAGAGGAGGCTGGTGACCAAGTACGTACAGAAAGCCTTGGCCATTGCTTCTCACAGACACG
 TTAACACGGAGGAAAGCCTGCTGACTGAAGAAGTGAACACGGGTGGCCTGCGACAATTTGTAGAGGAGA
 AGATGGAGCTGTTGGAGAAGGCCATCGAGCAGTCTTGTCTGAATGGAACAGCCCTGCAGACAGGGGT
 CCAGGTGGCCATGACTTCTACCGCCGATCCTCGGGTCAATGCCTGGTGAAGGAGCAGAGGAAACCAAGT
 TTTACCAGACCCTGAAAGCAGTTTGCCTGAAAAATGGGGTCTATGCCTCCAGAAGTCTGGCCAGAATTG
 ACCTGAATGAAGCCCTGTCTCAGCCTATCTATGACCAGATTGACCTGTATTTGGAGGCATTTTTAGGGA
 TGGGAAGCCCCTGCCCTGCTCTGATGCAGCACATAGATGCTTTCAAGCATTCCCTGGAGGAGAGGATG
 GCAGAAGTTGGGGTTAGAAGTGGCTGGAACAAGATGGATACAAGAGAAGCTTCTGATCCAGGAGATAA
 GCGCCATCCTGGGAGGCCCTGGAGAGCCACATCCTCCGAGGAAAAGGAAGATCTATAAGTCTGTCACCAG
 CTCCATCCAAAACGACCTGAAGCCCTGCTATGAAGAGGCAGCTCAGATCACTGGCAAGAAAGCATGCGAG
 AGAATGAAGGATGTCATCAGGAGAGGGGTGGAGCGGCAGGTGGCTGAGGGCTTGTGAGAGGGCTCAAG
 AGAGGATGTGGCACCAGTTTCGACAGCTGAAGCATGGAATCACTGAGAAGGTCAAGGGCAGCATCACTAC
 CATGTTAACCTTGTGTCACCCAGGGAGTTGGACTCTGCAAGGAGCTTGCAGATGTCCGGAATGAACAG
 AAGGAAATGGAAAACTCTACAGAAGCCTGAGGGAGGTTGCTGAGAACGCACAGCTGCGGAGGAGCATGC
 AAGATTTCTCCTGCGAATGTCCCCAGCAAAGCCGGCCCCCATGGAACAAAAC**TTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001195674
Insert Size: 2439 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001195674.2</u> , <u>NP_001182603.2</u>
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]