

## Product datasheet for **MC204582**

### **Nags (NM\_145829) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nags (NM_145829) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nags
Synonyms:	1700120E20Rik; argA
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057990  
 CCTGTGGGTGGGGGGACGAGTGGGTTTGGTTGTCGTCATGGCGACGGCGTGGGTGGCCACAGCCCTGCC  
 GTCTGCTGCAGCGGCCAGAAGGTTGCGCAGCCCGGGAGGTCCTGGGGGCTCACGGAGACTGAGTGGCAGC  
 GCGCGCGGCGCGGGGCAAGAGCGCCAGCCCGGGACGCCGGCTCAGCACCGCCAGGGCTCACGCAGAGG  
 ACGCCGAGGGCGCTAAGGGTCGTGTCCAGTCTCCTGCGGTCGAGGAGCCGTCGTGGACACCGCTTCCAAC  
 GCCCTCGAATCCCCTGCGCTCCCGCCGCGAGATCACTGGTGCAGCGGGACATCCAGCCCTTCTGAAAC  
 CAGTGTGGTGCCAGCCCGGGGAAGCACGCCACTGGCTCACGCAATCCAGACCTGCTACCATTGGTGG  
 ACAAGCCCTTCGCCGTCATGGAGGTCGATGAGGAGGTGATCCGGTGCCCGCAGGCGGTATCCCGCTGGC  
 TTTGCGCCCTGGCCTTCTTGAACGCATGGACATGAAGCCACTGGTGGTTCTGGGGCTGCCTACCCCCACG  
 GCACCTTCTGGTGTCTTCTTCTGGGAAGCTAAGGCGCAGCTTCTCAGAGCTGCAAGGTGCTGGTGG  
 ATGAACTAAGGCACAACGCGGCTACTGTGTGCCCTTTTTGGCGCGGATCAGTACTGAGCGCTGCGGA  
 GCCAGCTCCCCATGCCAGCTACGGTGGCATCGTCGCGGTGGAGACAGACCTGTTGCAGTGGTGTCTGGAA  
 TCCAACAGCATCCCCATCTGTGCCCATTTGGGAAACGGCTGCGCGCGTTCCGTGCTCCTTGACTCGC  
 TGGAGGTGACTGCATCTAGCCAAGGCTTTCAGCCCACAAAATCATCTTCTCAATAATTCAGGCGG  
 CCTGCGGAATAACAGTCAGAAGATCCTGAGCAACGTGAACCTGCCCGCTGACCTTGACCTTGTACCAAC  
 GCTGAGTGGCTGAGCATCAAAGAGCGGCAGCAGATTCCGGCTCATCGTGGAGCTGTGAGCCGCTGCCGC  
 ACTACTCTCCGAGTCATTACAGCCGCTAGCACGCTGCTCACGGAACCTTTAGTAACAAGGGCTGTGG  
 CACCCTGTTTTAAAAATGCTGAGCGGATGCTGCGAGTGCGCAACCTGGACAGCCTGGACCAGGGCCGCTA  
 GTGAACCTAGTCAACGCCAGCTTCGGCAAGAAGCTCCGAGAAGACTATCTGGAGTCACTGCGCCCTCGGT  
 TGCACTCGATCTATGTCTCTGAGGGGTACAACGCGGCAGCCATTCTGACAGTGGAACTGTACTAGGGGG  
 CACCCCATATCTGGACAAATTTGGTGTAGCTCCAGCCGCCAGGGCCAAGTTCTGGACAGATGCTGTGG  
 GAATGCCTTCGGAGAGACTGCAAACGTTGTTCTGGCGCTCAAGGGTCACCAATCCCATCAATCCCTGGT  
 ACTTCAAGCACAGTGACGGTAGCTTCTCAACAAGCAGTGGATCTTCTTGGTTGCGCCGACAT  
 CCGAGACTCCTACGAACTAGTCAATCATGCCAAGGGGCTGCCGGACTCTTCTGCAAACAGCTTCTGAC  
 CCAGGCAGCTGACCCACCATCGCGGGCCCTGTAACCCTGGGACAGCCAGGATGGACAAAAGCCATGCC  
 TGCTGGGGGTGACCCAGGCAGCTGAGGGGAAGAAGCTGCAGCAGCATAGCAGCATCGTCTGCTCAGGGG  
 CCCCAGGAGCAGAAACACGGAAGTGAAGCCAGCTAAGGACTCGGCTCCAAAGTCAAACAGACGGCCT  
 TCAATGTCCAGCCTGGGAAACGGGGCTGGGATTGCCTTCAGAGCTCTACCTAAGGTAACCTTAAGGGCAG  
 GCCAGTTCCATGGCCTCTGGGCTGTCTTGAAGCTCCATTGTCTTACATAGCATTAAGCCTGCCTGGTC  
 TGCCACTCATTTGGGTCTCAAAATCTTCAGGAGGCCTTGATTAACCGCAAATGCTTGTCTGAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145829

**Insert Size:** 1584 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:**

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:** [BC057990](#), [AAH57990](#)

**RefSeq Size:** 2053 bp

**RefSeq ORF:** 1584 bp

**Locus ID:** 217214

**UniProt ID:** [Q8R4H7](#)

**Cytogenetics:** 11 D

**Gene Summary:** Plays a role in the regulation of ureagenesis by producing the essential cofactor N-acetylglutamate (NAG), thus modulating carbamoylphosphate synthase I (CPS1) activity. [UniProtKB/Swiss-Prot Function]