

## Product datasheet for **MR220590**

### **Nags (NM\_145829) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nags (NM_145829) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nags
Synonyms:	1700120E20Rik; argA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220590 representing NM\_145829  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGACGGCGTGGGTGGCCACAGCCCTGCGGTCTGCTGCAGCGCCAGAAGGTTGCGCAGCCCGGGAG  
 GCCTGGGGGCTCACGGAGACTGAGTGGCAGCGCGCGCGGGGCAAGAGCGCCAGCCCGGGAGC  
 CCGGCTCAGCACCGCCAGGGCTCACGCAGAGGACGCCGAGGGCGCTAAGGGTCGTGTCCAGTCTCTGCG  
 GTCGAGGAGCCGTCGTGGACACCGCTTCCAACGCCCTCGAATCCCTGCGCTCCCGCCGCGAGATCAC  
 TGGTGCAGCGGGACATCCAGGCCCTTCTGAACCAAGTGTGGTGCCAGCCCGGGGGAAGCACGCCACTGGT  
 CACGCAATCCAGACCTGCTACCATTGGTGGACAAGCCCTTCGCGCTCATGGAGTTCATGAGGAGGTG  
 ATCCGGTGCCCGCAGGCGGTATCCCGCTGGCTTTCGCGCTGGCCTTCTGCAACGCATGGACATGAAGC  
 CACTGGTGGTTCTGGGGCTGCCTACCCCAACGGCACCTTCTGGCTGTCTTCTTCTGGGAAGCTAAGGC  
 GCAGTTCGCTCAGAGCTCAAGGTGCTGGTGGATGAACTAAGGCACAACGCGGCTACTGCTGTGCCCTTT  
 TTTGGCGCGGATCAGTACTGAGCGCTGCGGAGCCAGCTCCCATGCCAGCTACGGTGGCATCGTCGCGG  
 TGGAGACAGACCTGTTGCACTGGTGTCTGGAATCCAACAGCATCCCATCCTGTGCCCATTTGGGAAAC  
 GGCTGCGCGCGTTCCTGCTCCTTACTGCTGGAGGTGACTGCATCTCTAGCCAAGGCTTTGCAGCCC  
 ACCAAAATCATCTTCTCAATAATTCAGGCGGCCTGCGGAATAACAGTCAGAAGATCCTGAGCAACGTGA  
 ACCTGCCCCGTGACCTTGACCTTGTACCAACGCTGAGTGGTGAGCATCAAAGAGCGGCAGCAGATTTCG  
 GCTCATCGTGGACGTGCTGAGCCGCTGCCGCACTACTCCTCCGAGTATTACAGCCGCTAGCACGCTG  
 CTCACGGAACCTTTAGTAAACAAGGGCTGTGGCACCCCTGTTAAAAATGCTGAGCGGATGCTGCGAGTGC  
 GCAACCTGGACAGCCTGGACCAGGGCCGCTAGTGAACCTAGTCAACGCCAGCTTCGGCAAGAAGCTCCG  
 AGAAGACTATCTGGAGTCACTGCGCCCTCGGTTGCACTCGATCTATGTCTCTGAGGGGTACAACGCGCA  
 GCCATTCTGACAGTGGAACTGTACTAGGGGGCACCCATATCTGGACAAATTTGTGGTGGCTCCAGCC  
 GCCAGGGCCAAGTTCTGGACAGATGCTGTGGGAATGCCTTCGGAGAGACCTGCAAACGTTGTTCTGGCG  
 CTCAAGGGTCACCAATCCCATCAATCCCTGGTACTTCAAGCACAGTGACGGTAGCTTCTCCAACAAGCAG  
 TGGATCTTCTTCTGGTTCGCGCTGGCCGACATCCGAGACTCTACGAACTAGTCAATCATGCCAAGGGGC  
 TGCCGGACTCTTCTGCAAACAGCTTCTGACCCAGGCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220590 representing NM\_145829  
 Red=Cloning site Green=Tags(s)

MATAWVATALRSAAAARRLRSPGGPGSSRRRLSGSARRRGAKSASPGRRRLSTARAHAEDEAGKGRVQSPA  
 VEPSWTPLEPTPLESPAPPAGRSLVQRDIQAFLNQCGASPGEARHWLTQFQTCYHSVDKPFVMEVDEEV  
 IRCPQAVSRLAFALAFALQRMKPLVVLGLPTPTAPSGCLSFWEAKAQLAQCKVLVDELRHNAATAVPF  
 FGGGSLVSAAEAPPHASYGGIVAVETDLLQWCLESNSIPILCPIGETAARRSVLLDSLEVTASLAKALQP  
 TKIIFLNNSSGLRNNSQKILSNVNLPADLDLVNAEWLSIKERQQIRLIVDVL SRLPHYSSAVITAASTL  
 LTELFSNKGCGTLFKNAERMLRVRNLDLSDQGRVNLVNASFGKKLREDYLESLRPRLHSIYVSEGYNAA  
 AILTVEPVLGGTPYLDKFFVSSSRQGGSGQMLWECLRRDLQTLFWRSRVNTPINPWYFKHSDGSFSNKQ  
 WIFFWFLADIRDSYELVNHAKGLPDSFCKPASDPGS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9092\\_a06.zip](https://cdn.origene.com/chromatograms/mm9092_a06.zip)

**Restriction Sites:**

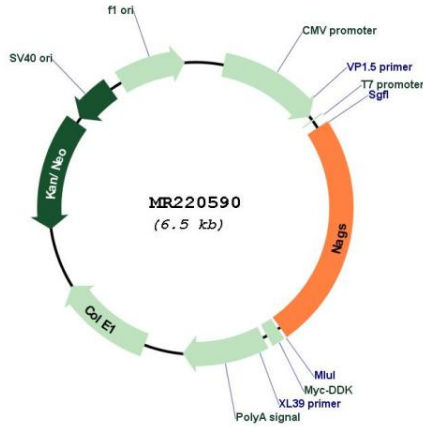
SgfI-MluI



MW: 57.5 kDa

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]

**Product images:**



Circular map for MR220590