

## Product datasheet for **MG202401**

### **Nol12 (BC013701) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nol12 (BC013701) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nol12
Synonyms:	C78541; Nop25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202401 representing BC013701 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCGCAACAAGAAGAAGAAAAGAGATGGAGACGACCGGGCGCCCGGCTCGTTCTCAACTTTG  
ATGAAGAGAAGCGCCGGAGTACCTGACAGGCTTCCACAAGCGGAAGGTAGAGCGCAAGAAAGCAGCCAT  
TGAAGAGATAAAGCAGCGGCTTAAGCAAGAGCAGAAGAACTTCGGGAAGAGCGCCACCAGGAGTACCTG  
AAGATGCTGGCAGAAAGAGAGGAAGCACTGGAGGAGGCAGATGAGCTGGAGCGGCTAGTGACAGTGAAGA  
CAGAGTCGGTGCAGTATGACCACCCAATCACACAGTCACTGTGACCACCATCAGTGACCTGGACCTCTC  
AGGGGCCCGGCTGCTAGGTCTGCCCTGCCTGAGCAAGGGGACCAGGATGGGTCCAGGAAGAGGAGATG  
TCATCCCTGGAAGCAACAAAAGCCTTGCCAGGAAGTCCAAAGATCCCTGCTCTCTCAGCGCATCT  
CCTCCCTCACAGCTACACTGCACGCACACAGTCGGAAGAAGGTCAAGAGGAAACACCCTCGGCGGGCACA  
GGACTCCACCAAGAAACCTCCAAGTGCCACACGTACCAGCAAGACCCAGCGCCCGCTGGATGACTGGA  
AAAGCCAGGCACAACGGGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202401 representing BC013701  
 Red=Cloning site Green=Tags(s)

MGRNKKKKKRDGDDRRPRLVLNFDEEKRPEYL TGFHKRKVERKKA AIEEIKQRLKQE QKKLREERHQEYL  
 KMLAEREEALEEAELELRLVTVKTESVQYDHPNHTVTVTTISDLDL SGARLLGLPLPEQGDQDGSQEEEM  
 SSLEKPTKALPRKSKDPLL SQRISSLTATLHAHSRKKV KRKHPRRAQDSTKKPPSATRTSKTQRRRRMTG  
 KARHNGE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC013701

**ORF Size:** 653 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:** [BC013701](#), [AAH13701](#)

**RefSeq Size:** 967 bp

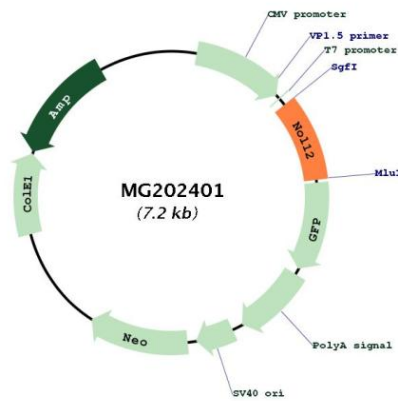
**RefSeq ORF:** 653 bp

**Locus ID:** 97961

**Cytogenetics:** 15 E1

**Gene Summary:** May bind to 28S rRNA. In vitro binds single-stranded nucleic acids.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG202401