

## Product datasheet for **MC223798**

### **Nol8 (NM\_001081350) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nol8 (NM\_001081350) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nol8  
**Synonyms:** 4921532D18Rik; 5730412B09Rik; D13ErtD548e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC223798 representing NM\_001081350  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCGACCTCTGAAAAACGTTTCCAGCAATCTTGATAGATGCCCAACATCCATGCAAGGCAACAGAG  
 AAATGAAGCGCCTCTTTGTGGGTGGACTTGGACAGGGCATTCTGAGACAGACCTACAAAATCAGTTCGG  
 CAGATTTGGAGAAGTTTCTGACGTGGAGATCATCACTCGGAAAGATGACCAAGGAAATTCACAGAAAGTC  
 TTTGCGTATGTTAACATTCAAATAACAGAAGCGGACCTGAAGAAATGTATGTCTATTTTAAACAAAAACA  
 AATGGAAGGTGGAACACTACAAATTCAGCTAGCAAAAGAAAGCTTTTTACACAGATTGGCCCAAGAAAG  
 AGAAGACGCAAAAGCAAAGAAAGAAAAATCAACAACAGGCAACCCACCTTATTGGAAAAGATGGGAGCA  
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 TTGGAAGAGTCTTACCTGTTCTTCACCTTAAAGAAATCAACAAAAACATAAAAATTATGAAATATGATCCATC  
 AAAATACTGCCACAATATAAAAAAGATTCCAGAGAATTTGACAGAAACCACTCCCATAGCTGAACTCACT  
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 CTCCTCAAAGGTCAAGAAAGTGCAGAAGAGCAATGATCCCATGGAGTCCAAGGTTTCTAATATTGGTCT  
 AAGGCAATCAGGTAATGGAGAAGAACAATCAACACATCCTGTGACTGCACACGGGACAGCCCCTAGT  
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 ATTAATAATGATGATTGCAAAAGAGGAAAAACAGAGAGAAACCTGGGCATTCTCAGTCAATGAGTCTGAA  
 CATGATACTTTTGAAGTTGTTAGGGATGATTTCAAATCAAATATTCACAAGCTTTCTTTCAGTAAAGCC  
 TAGGAAATAACCATGAATATGATTCAAGTGATACAGATGAAATTTGCAATGAAAAACAAAAATGCTAA  
 GGTCAAAACAGTGCAGAATCTTACAACCAGAAAGGACTGTAAGCAAGAAAAGTTCTTTTCAAAGATA  
 GAACCTTCTAATGACTGTATAAAAGTACAAGGAATTAACAGCAACAAAGAATCAGCCCTGTGTCATGGAG  
 TAAAGTTTGTAAATCCCAATTTCCACCTGACTCCAGTGGCAGTGACAGTGAAGAGTCCGAAGAAGATGA  
 AGAATATAAAGTCTTGATGGAAAACGTCCCGTGTGAGTCTCACTTTGGCTGACTTGGAGCAGTTGGCT



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GGCAGTCATCGGAAGTTTCCAGGAAAAGACAGTGAGACTAATGGTCCACAAAATGACAGTCACTGCAAAAT  
 TTGACACAACCTCCAAGAATCCCAAGACTTCTGGTGACCTGTACAATGGCAGACAACAGTGCATTCTTCC  
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 TGAAAGAGAATATTGCCTTAACTACTGGCGGTGGGCATCACAGTTCCTTAAAACATGAAGATCACAATAG  
 AAGTTTGTATGAAAATGGATCTAAGTGTGTTAATGGCTCATCAAGCAAACCTGACTTCATGCCAACCTGCA  
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 GAAAGTAGAAAAGCTTTAGAGAAAAGAGAGGACCAATTTAAGCAACCTCGAATCTCTTGAGAAATCATCAA  
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 TATAAATGCTAAGGATAAAACAAGCTGAAGACAACCAGAAGCGATTGGCCGCTTGGCAGCATGGCAGAAA  
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 GAAGACTCAGATTCCAAGGAGGACAGCACCAGGTTTCAGCATTAAACCTCAGTTTGAGGGCAGAGCTGGCC  
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 CAGTGGCTGCTAAGAAATTTAAGGATATCGTACATTATGACCCAACAAAGCATGACCATGCCATTTATGA  
 AAGAAAACAAGAAGATAAAGAAAAAGAAAGTAAGGCAACACGGAAGAAGAAAAGGAAGAAGCAGAGAAG  
 CTGCCTGAGGTATCCCAAGACATGTATTATAACATTGCTGCAGATTTGAAAGAAATTTCCAAAGTATGA  
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 CAGGAACGCCGAGACACTGGCATGTGAGCCGAGCAAACCACTGGCTTTACATTCTTTTTTTGATTCA  
 GCCACTAAAGATGAAAAGGATGCCACCTATAGAATCGAACTAGTGAAACATGGGAAGATAGTCTGTCCAA  
 ATGATCCCGATTCCAAGACAGTAGTTCAGAAGAAGAAGATATTGCTGAAGAAGCAGATCATAGCAAGCC  
 AAGCCCTGGAGAAGCGGTTCTGAGAATGAGGCCATTAGATTTTTCTTTTCTCTGAGAATGACGACAGA  
 CTTCTGGTTCTAACTTATTCTGGAGTGGTATGGGAGGTAGTATTAGCAGAAATCTTGGGAAGCCCGAA  
 CAAGTAGTCTCCTTTTGGAAATGTCGGAAGAAACATAAAGAAGCCAAAAGGAAGGTGAAAGCAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001081350
- Insert Size:** 3498 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:** [NM\\_001081350.1](#), [NP\\_001074819.1](#)

**RefSeq Size:** 4242 bp

**RefSeq ORF:** 3498 bp

**Locus ID:** 70930

**Cytogenetics:** 13 25.36 cM

**Gene Summary:** Plays an essential role in the survival of diffuse-type gastric cancer cells. Acts as a nucleolar anchoring protein for DDX47. May be involved in regulation of gene expression at the post-transcriptional level or in ribosome biogenesis in cancer cells (By similarity).[UniProtKB/Swiss-Prot Function]