

## Product datasheet for **MC221018**

### NoI9 (NM\_001159599) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NoI9 (NM_001159599) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	NoI9
Synonyms:	4632412I24Rik; 6030462G04Rik; AI449622; AW490720
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221018 representing NM\_001159599  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGAGTCGGAGGTGTACACCGCGGGCTCCGAGCCGCTTCTCCTGGCTGCGGGTACGCAAAGCCC  
 GGCCCCACCTCCTCCTCAGCCGCGGGCCGCCGTCGGTTTGGGGTCTGACCCGAGTCGAGCTGCGACG  
 CCTGCGACGGCGGCTGCTGCGGGCACACGCGTTAGCGGGGACTGGAAGCAGGTCGCCCCGCGGGCGCG  
 CACGTGGCGGTAAAGTGCAAACCTCCGGGCCCGCAGCCGCGCGCCCGCAGCCCGCCACACCGAGCG  
 TCCCGCCCGGCCATGCACCGCGTCCGCGACCTGCAGCCTGCTCAACCCCGCAACCACTCCACGCCCA  
 GAGCCGGGCGGGCGCCCGTGCAGGAGGTGTCCCGAACGTACCCAGCCCGTGCAGGACTGGGCTCG  
 GGCCGCGTGTGATGATGCTGCCCGGGAGAGGGTTTCACTTTCAGTGGGATCTGCCGTGACTTGCC  
 TCTACGCCAGTTGGAAGTATACGGCCATATCATCAACCAAGGGCAGCCTCCCAAGATGCTTTTCTGT  
 CTACACCACTTACCTGACCATCAATGGGGTCCGTACGCAGAACCCGAGAAAAGTGAGAAGGCGATC  
 AGGAGGGAGATCCGGGCCCTGCTCAAGCCTTACACGAACTAGATGACAGAACTGGGTGGTGGGACT  
 TCCCTCCTCTGGGCTCCATTATGATTCTGGAACGGATGCAGTCTCGTTTTGTGGACTTCTGAAGACCTA  
 TAAGTGCTCCTCATACGTGCTCCTGCAGGAGAAGCCTCCTGTTCCGGTCAATTCTGAGTTTACAACCTTG  
 AAGAAAATTGGCATCAGAAGACAGAAGAGGAAGAAAGCCATTTGCTTGAGTGAGAGTGGCCTTTGTGCC  
 TGGAAGAGTTAGTCAGCGTGTCTGTGATGGCTGCCCTGTATCCTGTTGTGGCGCTTGTGACATTGG  
 AAAGTCAACGTTCAATAGAATACTGATTAACGAGTTATTAATAGCATTCTGGGGTTGACTATCTGGAA  
 TGTGATCTGGGCAGACGGAGTTCACCTCCTCGGCTGTGTCGCTTACTTACCATCACAGAACCCTTC  
 TGGGACCGCCGTACACTCACAGAGAAACCACAGAGGATGGTGTACTATGGGAAGATGAACTGTAGCAA  
 TGACTACGAGAATTACATTGACATAGTAAAATACGTGTTACAGAGATTACAAGAGAGAGTTTCCACTTATC  
 ATCAACACGATGGGCTGGGTGTAGATAATGGGCTGCGGCTGCTTGTGGACTGATCCGGGTGCTGTCTC  
 CCAATTATGTCGTTAGTTATATTCTGATCGCTGTAATTTACACCGACTGACCTCCGAATACGTAGA  
 GCTCACAGATGGCCTGTATACAAAAAGCAAGATCAAAAGATATCGAGGTTTTGAAATCCAGAATTTGGA  
 GACAATTTAGAATTTACTTATGAAGAGAAAGAGTCTAGTCCACTTCCAGTCTTCACTGGACATGTACTGC  
 TGTCTGTTCACTCCGAATTTAAGTAGTAAAATGAAAAGAACAGGGCCAAATACAACAGGATTTTTCG  
 AGATCTGGCAGTGTGGGCTACCTTAGCCAGCTGATGCTTCCCGTCCAGAGTCACTTAGTCTTTGCAC  
 AGCCTGAGCCCTATCAGGTCCCCTTCACTGCGCTCGTATCCGGGTCTTGCATGCCAGCTTGGCCTA  
 CCCACATACTGTATGCTGTGAATGCCAGCTGGGTCCGGCCTTGCAGGATCGTGGATGATATGAAAGGCTA  
 CACTCGGGGCCCATCCTGCTTGCCAGAACCCCATATGTGACTGTTTGGGCTTTGGTATCTGCAGAGGC  
 ATTGACATGGACAAGCGGACCTACCACATCCTCACCCCTTACCCCGAGAGGTTAAAACTGTGAACT  
 GTCTGCTGGTTGGTTCCATTTCCATCCACATTGTATTTTTGAGAACCAGCCTGGGCCCGAAGGGTCAGT  
 TCCTTATGTCACCACAGATTATAATTTAAATATCCCTGGAGCAACAGAGAAAATTGGAGAGAGAGAT  
 GGAAAAGCATTCCCTAGACACAAATTACGGCAAAGAAGAAA**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001159599

**Insert Size:** 2145 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001159599.2, NP_001153071.1</u>
<b>RefSeq Size:</b>	3756 bp
<b>RefSeq ORF:</b>	2145 bp
<b>Locus ID:</b>	74035
<b>UniProt ID:</b>	<u>Q3TZX8</u>
<b>Cytogenetics:</b>	4 E2
<b>Gene Summary:</b>	<p>Polynucleotide 5'-kinase involved in rRNA processing. The kinase activity is required for the processing of the 32S precursor into 5.8S and 28S rRNAs, more specifically for the generation of the major 5.8S(S) form. In vitro, has both DNA and RNA 5'-kinase activities. Probably binds RNA (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>