

## Product datasheet for **MC227091**

### Gmnc (NM\_001285916) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gmnc (NM\_001285916) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gmnc  
**Synonyms:** Gemc1; Gm606; Gm1778  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227091 representing NM\_001285916  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACAGCATTCTGCCTTGCCAAGATCAGTATTTGTAGGAGGCCAGAGTTATAATTGCCCGTATTCCA  
CTACAACGTCAGAATCTGGTGTGACGTTTCCAAGGAGACTTGGGTCTCTTTCTGGGCTGCTGGTCTCCT  
GGACAACACTGAGCTCCAGCAAGCACCACAAGTCTGGAATCGCCCTCTGAGTTAAGTTCCCTGTTCTG  
GACTCATGTTTATGGGAAGAGGCTCAGCTCTCATCTCAGCTCTACAGAAATAAACAGCTCCAGGATACTC  
TACTGCAGAAGGAGGAAGAACTTCTAGGCTACATGAAGAGAATAATCACCTCAGACAATACCTGAATTC  
TACTTTGGTTAAACGCTGGAAGAGAAGGCCAAGAAGTTGCTGTGCATCAGATGAGTTTTCCAAAGTGTTT  
GGAAAACCTCAGAAAAGAGAAGAGGAAACCCAAAGAACACAGACTCCCTGCTGAGATCCCGAGTTCA  
AAACTGCCAAGAGAACTCTCCACAGATTTTCTAACTGTGAGGAACAACCTGGGCCCCATGTGGACCC  
CTGGGTTCTTCAAACCTTGGGTTAAAAGACCTCAACACCATTGATGACTCTACCAGCTAACTACAGT  
GCCACCACCTCTCATCCAGAGCAGTCCAGTATTTCTCTCTGTTTGTACATGATGCAATGGCTATG  
CAAATGTCCCCAGAGATCTACACCTCGACTATGTAGTCAAGGAACACATGGCTCACATACCACCTCCAT  
CCACCAGGAAGATTGTCACAGTTTTCTAGGCTTTCTAATCCTCCAGTGAGGGTGCAGACTCTTCCTTAC  
CACACTGCAGATGTGTCACCCAACAAGACAGAGATGGCCTTTTCCACATCTTTGAGCCCTCACTGTAATG  
TGAAAACCTCACTCCTTCCACCAGGGACAAGCCTTTGTGCGTCGAGATGAGGAAGGAGTTGGAAGTTTAC  
CTGGGTCCTAAGCAGACCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285916



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<b>Insert Size:</b>	1002 bp
<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001285916.1</a></u> , <u><a href="#">NP_001272845.1</a></u>
<b>RefSeq Size:</b>	4448 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	239789
<b>UniProt ID:</b>	<u><a href="#">Q3URY2</a></u>
<b>Cytogenetics:</b>	16 B2
<b>Gene Summary:</b>	<p>Regulator of DNA replication. Promotes initiation of chromosomal DNA replication by mediating TOPBP1- and CDK2-dependent recruitment of CDC45L onto replication origins (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and contains an alternate 5' terminal exon compared to variant 1. The encoded protein (isoform 2) has a distinct N-terminus and is shorter than isoform 1.</p>