

## Product datasheet for **MC200321**

### Gins4 (NM\_024240) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gins4 (NM\_024240) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gins4  
**Synonyms:** 2810037C03Rik; 4933405K01Rik; Sld5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC002156 sequence for NM\_024240  
GGGAGCTGTACCGCTGCTGGTCTGGTCTGTGGCCGCGGGCTTCCGCGCATCTCCGGCGCCACCGCT  
CGGGGAGCCTCAGCCCGTGGTGTCCCCGAGCGTGCCGGCTAGGAGAGAAGGGAAGAGGGATCCCTGAGC  
CGTGTAGCCGCTTTGAGTGCCAACTGCGAGGTGTAGTTTCTGGTTGAGAAACGATGACGGAGGTTCTGG  
ATCTCCACGGACAGGACTCTGATGGGGGTAGTGAGGAGATGGTCTAACTCCTGCAGAGCTCATTGAAAA  
GCTGGAGCAGGCCTGGATGAATGAAAAGTTGCCCTGAGCTCCTGGAAGCAAGGCTGAGATTGTCGAA  
TGCGTCATGGAACAGCTTGAGCACATGGAAGAAAATCTCAGAAGAGCCAAGAAGGGGATCTGAAGGTCA  
GCATCCATCGCATGGAGATGGAGAGGATCCGCTATGTCCTCAGCAGCTATTTGCGGTGTCGACTCATGAA  
GATAGAGAAGTTTTCCCTCACATCCTAGAAAAGGAGAAAAGTGCAGTGCAGGGGAGCCTTCCAGCCTG  
TCTCCAGAGGAGTTTGTCTTTGCCAAAGAGTATATGGACCACACGAGACCCACTTAAAAACGTTGCCT  
TAAAGCACATGCCTCCCAACCTGCAGAAGGTGGACCTCTTGAGGGCAGTCCCAAACAGACCTAGATTC  
ATACGTGTTTCTGCGAGTGAAAGAACGACAAGAAAACATACTAGTAGAACCAAGCCGATGAGCAGAGA  
GACTACGTGATTGACTTGAGGTTGGCTCACAGCACTTGATCCGATACAAAACCATCGCACCTCTTGTTG  
CTTCTGGAGCAGTTCAGCTAATAAAAACAAAGCAAGCCTGAGGACATGGAGTGGTACAGACAATATTA  
GAAACGCCATCTTTGTGTCTAATAGTGAAGTCATGTTCCATACAGTTCGTGAGCAATGTGTGGACCACT  
TGGACGTAGAAAGGCGCCGATGCAGAATCCCTTCGTTGTACAGCCTTCTCCTAAATTCCTGTTTAAACC  
AGCACCAACAGATGGGCCGTGCTCTGAATACTCAGCAAATAAATCAACAGTCAGGAAAAAAAAAAAAAAAA AA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_024240

**Insert Size:** 672 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).



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<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="#">BC002156</a></u> , <u><a href="#">AAH02156</a></u>
<b>RefSeq Size:</b>	1122 bp
<b>RefSeq ORF:</b>	672 bp
<b>Locus ID:</b>	109145
<b>UniProt ID:</b>	<u><a href="#">Q99LZ3</a></u>
<b>Cytogenetics:</b>	8 A2
<b>Gene Summary:</b>	The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS4 is important for GINS complex assembly. GINS complex seems to bind preferentially to single-stranded DNA (By similarity).[UniProtKB/Swiss-Prot Function]