

## Product datasheet for MC226652

### Cinp (NM\_027223) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cinp (NM\_027223) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cinp  
**Synonyms:** 1810047K05Rik; 2810452K22Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226652 representing NM\_027223  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAAGCAAAGACTCTTGGGATCGCAACACCAAGAAAACCTGTCTTATCAGTCAGTGCGAGGAACTTA  
AGGACAATGCTGCTGACTGGCATAACTTAATCCTGAAATGGGACAGCCTCAGTGACAAGGGCTTCACCAC  
AGCGAGCAGTATTGCCAACCTGAAAGTCAGCTTGCTGAGTAAAGAGAAGTTGAGTTAGAGAGCAGCAGC  
CCAGCTTCCATGGAAGAGGAAGAAAAGACAAATCTGGACTACGATAAGGGACTCGAAGCACTGTGTGAGG  
AGCTGCAGGCCATCTTGGACGGCTTGATGAGTAAGAAAGCCAGGCTCACAGAGGCGCCATAAGAGTCAG  
AAGCGCGGGTGCCGTTGTGCCTGTTCCACTATCTAACAGCAGCCATTGGGATCCGCGGCTCTTTGGA  
GCTAAAGCACTGCTGCTGCATAGAAAAGTACTGAGACTAAAAACAAATGAAAATGGAAAAGCTGTCTT  
CAACCACCAAGGGAAATTTGTGAGCTAGAAAATTACCACTACAGGGAAGAAAGCAGCCGGCCCCCTCTATT  
TCACACGTGGCCACAGCCTTCTTTATGAGGTCTCCCGCGGCTCTCTGAAGCATAAAGAAGGAGCTC  
CTTTTGAAGCACACCATTGGCGCAGAGCTGGCCATACTGCAGATCGAACCTCAGCCTGACCTACCTGT  
CCATGTGGCTGCACCAGCCCTACATAGAGAGCAACAGCAAGCTGCAGCTGGAGAGCATGCTGCTCGAGAC  
AGGTCACCGGGCCCTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027223  
**Insert Size:** 789 bp



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<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>NM_027223.1, NP_081499.1</u>
<b>RefSeq Size:</b>	2179 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	67236
<b>Cytogenetics:</b>	12 F1
<b>Gene Summary:</b>	<p>Interacts with the components of the replication complex and 2 kinases, CDK2 and CDC7, thereby providing a functional and physical link between CDK2 and CDC7 during firing of the origins of replication. Regulates ATR-mediated checkpoint signaling (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) includes an alternate in-frame exon in the coding region, compared to variant 1. It encodes isoform 2, which is longer than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>