

## Product datasheet for **MR228863**

### Cinp (NM\_027223) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cinp (NM\_027223) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cinp  
**Synonyms:** 1810047K05Rik; 2810452K22Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228863 representing NM\_027223  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGCAAAGACTCTTGGGATCGCAACACCAAGAAAACCTGTCTTATCAGTCAGTCCGAGGAACTTA  
AGGACAATGCTGCTGACTGGCATAACTTAATCCTGAAATGGGACAGCCTCAGTGACAAGGGCTTCACCAC  
AGCGAGCAGTATTGCCAACCTGAAAGTCAGCTTGCTGAGTAAAGAGAAGTTGAGTTAGAGAGCAGCAGC  
CCAGCTTCCATGGAAGAGGAAGAAAAGACAAATCTGGACTACGATAAGGGACTCGAAGCACTGTGTGAGG  
AGCTGCAGGCCATCTTGGACGGCTTGATGAGTAAGAAAGCCAGGCTCACAGAGGCGCCATAAAGAGTCAG  
AAGCGCGGGTGCCGTTGTGCCTGTTCCACTATCTAACAGCAGCCATTGGGATCCGCGGCTCTTTGGA  
GCTAAAGCACTGCTGCTGCATAGAAAAGTACTGAGACTAAAAACAAATGAAAATGGAAAAGCTGTCTT  
CAACCACCAAGGGAAATTTGTGAGCTAGAAAATTACCACTACAGGGAAAGAAAGCAGCCGGCCCCCTATT  
TCACACGTGGCCACAGCCTTCTTTATGAGGTCTCCCGCGGCTCTCTGAAGCATAAAGAAGGAGCTC  
CTTTTGAAGCACACCATTGGCGCAGAGCTGGCCATACTGCAGATCGAACCTCAGCCTGACCTACCTGT  
CCATGTGGCTGCACCAGCCCTACATAGAGAGCAACAGCAAGCTGCAGCTGGAGAGCATGCTGCTCGAGAC  
AGGTCACCGGGCCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228863 representing NM\_027223  
 Red=Cloning site Green=Tags(s)

MEAKTLGIATPRKPVLVSARKLKDNAADWHNLILKWDSLSDKGFTTASSIANLKVLSLKEKVELESSS  
 PASMEEEEKTNLDYDKGLEALCEELQAILDGLMSKKAQHRGAI RVR SAGAVVPVPLSNSSPLGFRRFLFG  
 AKALLHRKLTETKI QMKMEKLSSTTKGICELENYHYREESSRPLFHTWPTAFFYEVSRRLSEAYKKE  
 LLKHTIGAE LAHTADRNL SLTYLSM W LHQP YIESNSKLQLESMLLETGHRAL

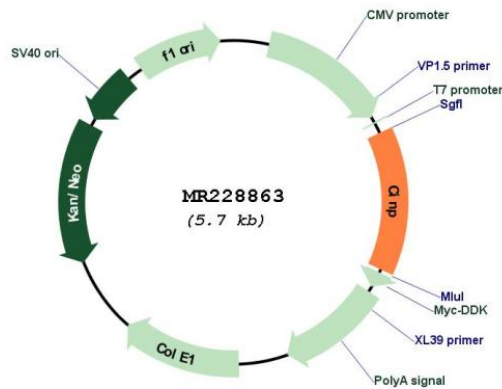
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_027223  
 ORF Size: 786 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_027223.1</a> , <a href="#">NP_081499.1</a>
<b>RefSeq Size:</b>	2179 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	67236
<b>Cytogenetics:</b>	12 F1
<b>MW:</b>	29.9 kDa
<b>Gene Summary:</b>	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]