

## Product datasheet for **RR213372**

### Cdt1 (NM\_001106192) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdt1 (NM_001106192) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdt1
Synonyms:	Ris2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR213372 representing NM\_001106192  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCAGAGTCGTGTTACCGATTCTATGCGTGCCGTCGTCCGGCCCTTGCATTCCGCGAGCCAAGT  
 CGACCTGTCTACCCCGAGCCCTGGTGGGCTCGTGGCTCCTGAGTTCACCCGAGCAGCAGCCGCAAGCG  
 CGTCCGGCCCCACGCCGAACCCGGGAGCGACCAGCCCGCGCCCGCCGCGCGCCGAGGCTACGGCTACCT  
 GGATTGGATTCTTGTCCAGTTTCCAGCTGACCCAGCTCTCCAGCTGACCCAGCTCCCCAGCTGACC  
 CCAGCTCTCCGTTTGCCATCCCCGCTGCCCCATCCCCGTAAGAGAACAAGAGTACTACAGTTTC  
 TAGAGGTCACAGCAGAGCAAGGTCCCCTCCAGGACTCCATCTCCGAGCTCCAGTCTGCCTGAGGCAG  
 GCACGTAAGTTGGGAGCCAGGCAAGGGCCCTGAGAGCGAGAGTCCAAGAGAATGTTGTGGAGCCTTCTA  
 CCCCAGATACCAAGGAGCCACAGAACAACCATGTGTCGACAAAGCTCCTGCCTACCAGCGCTTCCATGC  
 CCTGGCCAGCCTGGCCTCCCCGGCCTTGTCTACCATAAAGTATCAGGTGCTGGCCGAGATGTTCCGC  
 AGCATGGACACCATCGTGAGCATGCTTACAACCGCTCTGAGACCGTCACCTTGTAAAGTCAAGCAAG  
 GGGTTCAGGAGATGATACGCAAGCGCTTTGAAGAGCGCAATATGGGCCAGATCAAAACCGTGTACCCGA  
 GTCGATTCTTCCGCCAGGAGTGCAACGTCCCCACTTTCAAGGACAGCATCAAGAGATCTGATTACCAG  
 CTCACCATCGAGCCCTTGTGGGCCAGGAGGCTGGTGGTCCACCCAGCTCACAGCCACGGGTCTCCTGC  
 AGCGCCGCAAGTCTTCCGGCAGAACCTGGTGGAACTGTTAAGGAGCATACAAGGTTTTCTGGCGTC  
 CTTAAACCCCCCATGACGGTGCCCGAAGACCAGCTGACACGCTGGCACCCGCTTCAATGTGGATGAG  
 GTGCCTGATATTGAGCCGGCCGAACCTGCCAGCCTCCCGTACAGAGAAAGCTCACTACTGCCAGGAAG  
 TGTTGGCCCGTCCCGGAACCTTGTGACGCCAAGATGGAGAAGCGGTTGAGTAACCTAGCCCTGGCCT  
 AGCTGAGCCTGGTAGCCCTGGGACCTCTAGTCCAGCCCTCCAGCCACTCCACCAGCCACCCCGCCGCT  
 GCCTCTCCTAGTCCCTGAAGGGTGTGTACAAGCACTGCTGGAGCGGATAAGAGCCAAGGAGGTCCAGA  
 AGCAGTTGGCACGGATGACAAGGTGCCCTGAGAAGGAGCTTCGGCTGCAGCGGTTAGAAGTTTTGCCAGA  
 GCTGGCCCGTGTGCTGCGCGGTGTCTTCTGTCTGAGCGGAAGCCGGCGCTCACCATGGAAGTGTCTGT  
 GCAAGGATGGTAGACAGTTCCCGAGCCGCCCTGAGCCAGGGGAGATGGAGAAACACCTGTTGCTCTGG  
 CCGAGTTGCTGCCAGACTGGCTCAGCCTGCACCGCTTCGACCGATACTACGTAAGCTGGACAAAGC  
 CGCTGACCTGGCTGGCCTCACCGGAAGCTGGCCCGCCAGGTCCACGCCGAGGGGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213372 representing NM\_001106192  
 Red=Cloning site Green=Tags(s)

MAQSRVTDYACRRPGLAIPRAKSTCLTPSPGGLVAPEFTRSSSRKRVVRPHAEPGSDQPAPPARRRLRLP  
 GLDSCPSFPADPSSPADPSSPADPSSVCPSPVCPSPVKRTKSTTVSRGPQQSKVPSQDSISELQSLRQ  
 ARKLGARALRARVQENVVEPSTPDTKEPTEQPCVDKAPAYQRFHALAQPLPLVLPYKQVLAEMFR  
 SMDTIVSMLHNRSETVTFKVKQGVQEMIRKRFEEENMGQIKTVYPESYSFRQECNVPTFKDSIKRSDYQ  
 LTIEPLLQGEAGGATQLTATGLLQRRQVFRQNLVERVKEHHKVFSLASLNPPMTVPEDQLTRWHPRFNVDE  
 VPDIEPAELPQPPVTEKLTTAQEVLARARNLMPKMEKALSNLALRSAEPGSPGTSPPALPATPPATPPA  
 ASPSALKGVSQALLERIRAKEVQKQLARMTRCPEKELRLQRLERLPELARVLRGVFVSRKPALTMEVVC  
 ARMVDSSRAALSPGEMEKHLLLLAELLPDWLSLHRVRTDYVKLDKAADLAGLTAKLARQVHAEGL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

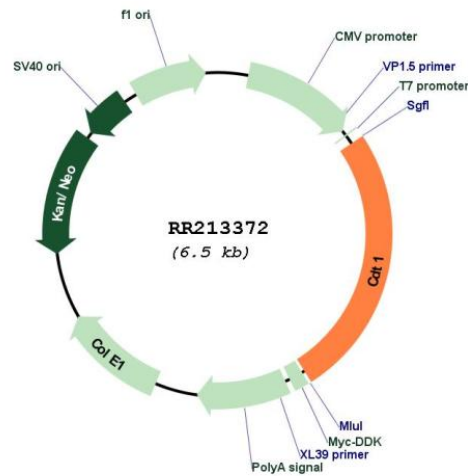
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001106192
<b>ORF Size:</b>	1668 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_001106192.1</a> , <a href="#">NP_001099662.1</a>
<b>RefSeq Size:</b>	2239 bp
<b>RefSeq ORF:</b>	1671 bp
<b>Locus ID:</b>	292071
<b>Cytogenetics:</b>	19q12
<b>MW:</b>	61.4 kDa