

## Product datasheet for **RN206300**

### **Cdc25a (NM\_133571) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdc25a (NM_133571) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc25a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN206300 representing NM\_133571  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAAGTGGCCCGGAGCCCCCACCGCCGCCCTGCTCTTCACTTGCAGCCCCACTCTGCGCCG  
 AGCCACGGGAAGGTGCAGTTTGGCGCGTCACGTGCTGGCGGACTGTCCCTGTACCAACCTGACGGT  
 CACCATGGACCAGCTGGAAGGGCTGGGCAGTGACTATGAGAAACCAATGGACGTGAGAAATAGCAGCAGT  
 CTACAGAGAATGGGCTCCTCTGAATCGACTGATTGAGTTTCTGTCTAGATTCTCCTGGGCCCTTGACA  
 GTAAAGAAAACCTTGAAATTTCCCTGAGGAGAATAAATTGCCACCTCAGAAGCTCTGGGGTGTAGCCC  
 AGCGCTAAAGAGGAGCCATTCTGATTCTTAGACCACGACATCTTCACTATTGACCAGGATGAAAAT  
 AAAGAAAATGAAGCATTGAATTTAAAAAGCCAATAAGACCTGCATCTCGTGGCTGCCTGAATGCTCAG  
 TTCACGAGGAAAGTAAGGACCCCTTACACACAGGCAGAAATCAGCCCCAGCTCGGATGCTGTCTCAA  
 TGAAAGTGACATTAGTGAATCAGGAAATTCAGTCTCTTTTACACCCAGTCACCTGTGAAAGCGAGT  
 TTGCTGATGAGGATGATGGCTTCATAGACCTTCTGGATGGAGAGAATCTGAAGAATGATGAGGAGACC  
 CGTCGTGCATGTCAAGCCTCTGGACCGCTCCCCTTGTCATGAGAAGACCTACAAACCTTGCCGATCGATG  
 TGGACTGTTTACTCCCTTCCCGTGCAGCTCCACCAGCAGCTGCAGCACTCGGGCAGTGAAGAGAGCA  
 GACCGATCTCATGAGGAGTCTCCTCGAGGTACAAAGCGGAGGAAGAGCAGTGAGGCCAGTCCAGTGAAGG  
 CAGATGTTCCGGAGCCAACGCAGCTTCCACACCAGTCTCTCCTGACATCTTTCCCAAAGGAACCAT  
 TGAGAACATTTCCACAGTGACCAAGAGACCTTATAGGGGATTTCTCCAAGGTTACCTCTTTCATACG  
 GTCTCTGGGAAGCATCAGGATTTGAAATATATTTCTCCAGAAATATGGCATCTGTTTGAATGGCAAGT  
 TTGCCAATCTCATTAAAGAGTTTGTATCATTGACTGCCGATACCCATATGAATATGAAGGAGGGACAT  
 CAAGGGTCCCGTGAACCTTGACATGGAAGAAGAGGTTGAGGAGTCTTACTCAAGAAACCTATCGTGCCC  
 GCTGACGGCAAGCGTGTATTGTCGTGTTCCACTGTGAGTTCTCCTCTGAGAGAGGCCCTCGGATGTGCC  
 GATATGTACGGGAACGAGATAGGCTTGGCAATGAATACCCCAAACCTCCACTACCTGAGCTGTATGTCT  
 GAAGGGGGGATACAAGGAGTTCTTTTGAATGCCAGTCTCACTGTGAACCCCCAGCTACCGACCGATG  
 CACCATGAAGACTTTAAGAAGACCTAAGAAGTTCGCGACCAAGAGCCGGACCTGGGCAGGGGAGAAGA  
 GCAAAGGGAGATGTACAGTCGCTGAAGAAGCTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133571  
**Insert Size:** 1578 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

<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_133571.1</a></u> , <u><a href="#">NP_598255.1</a></u>
<b>RefSeq Size:</b>	3415 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	171102
<b>UniProt ID:</b>	<u><a href="#">P48965</a></u>
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	novel phosphatase that mediates the start of the cell cycle; predominantly expressed in late G1, does not function as mitotic regulator [RGD, Feb 2006]