

## Product datasheet for RN200310

### Sept7 (NM\_022616) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sept7 (NM_022616) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sept7
Synonyms:	Cdc10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200310 representing NM_022616 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGTCAGTGCAGATCCGCTGCTGCTGAGGAGAGGAGCGTCAACTGCAGCACCATGGCTCAACCGA  
AGAACCTTGAGGGCTATGTGGATTTGCCAACCTCCCAAATCAAGTGACAGAAAATCGGTGAAAAGAGG  
ATTTGAATTCACCTTATGGTAGTAGGTGAATCTGGACTGGGAAAGTCGACATTAATCAACTCATTATTC  
CTCACAGATTTGTATTCTCCAGAGTATCCAGGACCTTCTCATAGAATCAAAAAGACTGTTTCAGGTGGAGC  
AATCCAAAGTTTTAATCAAGAAGGTGGCGTTCAGTTGCTGCTGACGATAGTTGATACTCCGGGATTTGG  
AGATGCAGTGGATAATAGTAATTGCTGGCAGCCTGTTATCGACTACATTGATAGTAAATTTGAAGATTAC  
TAAATGCAGAATCTCGAGTGAACAGACGACAGATGCCTGATAACAGGGTGCAGTGTGTTTATACTTCA  
TTGCTCCTTCAGGACATGGACTTAAACCATTGGATATTGAGTTTATGAAACGTTTGCATGAAAAAGTGAA  
TATCATTCCCTTAATTGCCAAAGCAGACACACTTACACCAGAGGAATGCCAACAGTTTAAAAAGCAGATA  
ATGAAAGAAATCCAAGAACATAAAATTAATAATATGAATTTCCAGAAACGGATGATGAAGAAGAGAATA  
AGCTGGTTAAGAAGATAAAGGACCGTTTACCTCTTGTCTGGTGGTGTGAGTAACTACTCATTGAAGTTAA  
TGGCAAAAGAGTCAGAGGAAGGCAGTATCCTTGGGGTGTGGCTGAAGTTGAAAATGGTGAGCATTGTGAT  
TTTACAATTCTAAGAAATATGTTGATACGAACACACATGCAGGACTTGAAAGATGTTACCAATAACGTAC  
ACTATGAGAACTACAGAAGCAGAAAAGTACGAGCAGTGACCTACAATGGAGTAGATAACAACAAGAACA  
AGGGCAACTTACCAAGAGCCCTCTGGCGCAGATGGAGGAGGAGAGAAGGGAGCACGTGGCCAAGATGAAG  
AAGATGGAGATGGAGATGGAGCAGGTGTTTGGATGAAGTCAAGGAAAAAGTTCAAAGCTGAAGGACT  
CTGAAGCCGAGCTCCAGCGGCCATGAGCAAATGAAAAAGAATTTAGAAGCACAGCACAAAGAATTAGA  
GGAAAAACGTCGTCAGTTTGAAGAAGAAAAAGCAAAGTGGGAAGCTCAACAACGTATTTTAGAGCAACAG  
AATTCTCAAGAACCTTGAAAAGAACAAGAAGAAAGGCAAGATCTTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_022616
<b>Insert Size:</b>	1311 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
<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_022616.2, NP_072138.2</u>
<b>RefSeq Size:</b>	2459 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	64551
<b>UniProt ID:</b>	<u>Q9WVCO</u>
<b>Cytogenetics:</b>	8q13
<b>Gene Summary:</b>	human homolog is highly homologous to the yeast protein which is a structural component of the 10 nm filament and is essential for cytokinesis [RGD, Feb 2006]