

## Product datasheet for **RN201291**

### Cenpq (NM\_001014215) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cenpq (NM\_001014215) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cenpq  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201291 representing NM\_001014215  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGGTAAAGCAAATACTTCTAAGAAAAATCTCAACGGGTGAAAAGAAATGTAAAACAAAGAGCCG  
ATAAAGAAGATGAGGAATTGGATTCACCAGAGAATAAGTTGAAACAGAGCGAAAAGAACAGAAGTCA  
TGCAGGACATCTGTCCTCTAAAGAACAACAAAATGTGTTTCATCTAAAACGGGTGAAAATATCATCCAAC  
AAGAGAACAGCCTGGCAACCTCTTCAAAGAATACTGAAGAGTATTTGCAAAGTATGATGGACTCAGCAA  
TTCTTGGAATTTTAAACAAAACATTAAGAAAAGAACAATTCAGTATCATCTCGACCAGTTGAAGAA  
AAGATTCTGCAACAGTGTGCAACTGAAAGTCCCCCAGGAAAGCTCAACTATTTAAGAGATATGTCA  
AAGCTGCTGAAGGTGAAAGGGAACAGGAAAGGGCGAATGAGGAGAGCCTGGCTTCACTGCAGGAAGAAA  
TAGACAAAATAGTAGAGACCACAGAGTCAATGACTGAGAATATTGAAAGCCTAAAGACAAAATTTGAAAT  
CCTAACAAATGAAGTAGAGAAAGAAGAAGAGGAGATGAAAGAGGTATTTACATAGATAGCAATAAAGTA  
TTGGCTCTCCAGAACTTCTCAGAAAAGTCTTAAAGCACCTATACTTCAGAAAGAAATTTAACACTAA  
TTCAAACCAGAAATGCTCTTCTGAAGGACTTGGATGTTCTTCAAGATTCAGCCCCAGGGAAGAACATGCC  
AGCCTTCATTCAAGAAGCGTATATGAACTTAATGGCTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001014215  
**Insert Size:** 813 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>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_001014215.1</a></u> , <u><a href="#">NP_001014237.1</a></u>
<b>RefSeq Size:</b>	1470 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	363198
<b>UniProt ID:</b>	<u><a href="#">Q66H02</a></u>
<b>Cytogenetics:</b>	9q13
<b>Gene Summary:</b>	Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Plays an important role in chromosome congression and in the recruitment of CENP-O complex (which comprises CENPO, CENPP, CENPQ and CENPU), CENPE and PLK1 to the kinetochores.[UniProtKB/Swiss-Prot Function]