

## Product datasheet for MC203778

### Cenpa (NM\_007681) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cenpa (NM\_007681) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cenpa  
**Synonyms:** Cen; Cenp-A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC011038  
 CCACGCGTCCGCGGACGCGTGGGCTTGGGCTTGCTCGCGTTCGGTTTCGGCAGCAGGACCAAGAAGGCTT  
 AGGGAAGGCGGGGACCCGGCCCTCGAGGCCAGCCATGGGCCGCGTCGCAAACCGCAGACCCCAAGG  
 AGGAGACCCTCCAGCCCGCGCCTGGACCTCGCGACAGAGCTCCAGTGTAGGCTCTCAGACACTGCGCA  
 GAAGACAGAAATTCATGTGGCTTAAGGAAATCAAGACCCTGCAGAAGAGCACAGACCTCTTGTTCAAGAA  
 GAAGCCTTTCAGCATGGTTGTTAGAGAAATATGTGAGAAGTTCAGCCGTGGTGTGGATTTTTGGTGGCAA  
 GCCCAGGCCTTGTGGCCCTTCAGGAGGCAGCAGAAGCTTTCCTCATCCACCTCTTTGAGGACGCCTACC  
 TCCTCTCCTTACATGCTGGTGGGTGACGCTTTTCCCCAAAGACATTAGTTGACCAGGAGAATCCGAGG  
 CTTGAGGGCGGACTCCCTAAGTTGCCAGTGAATGTACATTACCTGGAAGCTTTGGAGTTGCAGCTT  
 GACAGTGGTGTGCGGAGGAGCTGGCTGGGTTTTGCTGTTTTAAATACTGGCTACACGGTGCCTTAAAC  
 TGTCTCTGAAGGAGAAGACTGTGGCCTTCCCCCAGCACAGAGGTCTGCCACTCGCTCCCATGGACACGA  
 GTGTTTGCAGACCAAAGTCAATTTGGTTTGTGAATTGCTCAGCCCTATGGCTGAAGTTTCAGACACCC  
 GATACCTGCCATGGTATGGTTATTTCACTTACTGCTCTGTTTGCATCTTTTACCATTAGTTTTGTAC  
 TTTTATTTAAATATAAGGAAGAAAAACCTGAATAAAGCGCTTGAATCTGTTGTATGTGAGCCGTGGCAG  
 TCCCGCCATATAAATGCCTGCCTTCCAGAGTGACCTCATCCTGTCCATCCATGTTTGTCTGTCAGTCAGCA  
 AACATGCAGCTCTTTTAAACCTAAGTAGAATTACATACAAAATCTTTTCTTCTTCAAGACTGGGG  
 CTCGAATTCAAAGATTTGTACATGCCAAGCATGGACTATAATGCTGAACTACATCCACAGCCTGAAGTAG  
 ATGTCTTTCTGGTTCCTACCAGTGAATTCCTATCAAAAACGTCCAAGTCTTTATCTTTAGCTCTAAAT  
 CATATAAATGTCTCATATCAGTCTGGAATTTTAAATGTGTTTTCAGAATTTTTACAGATTAATTTTAG  
 CTTATTTGGGGAGAAATAATAAAAAATAAATAAAAAATAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_007681  
**Insert Size:** 405 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>	<a href="#">BC011038</a> , <a href="#">AAH11038</a>
<b>RefSeq Size:</b>	1315 bp
<b>RefSeq ORF:</b>	405 bp
<b>Locus ID:</b>	12615
<b>UniProt ID:</b>	<a href="#">O35216</a>
<b>Cytogenetics:</b>	5 16.76 cM
<b>Gene Summary:</b>	Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. This gene encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. Centromere protein A is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4) <sub>2</sub> tetrameric core of the nucleosome particle. The protein is a replication-independent histone that is a member of the histone H3 family. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2015] Transcript Variant: This variant (1) encodes the longest isoform (1).