

## Product datasheet for **MC200749**

### Cenpb (BC006628) Mouse Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Cenpb (BC006628) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Cenpb                                 |
| Synonyms:                 | CENP-B                                |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >BC006628  
 GGCCCCGGGGCGGAGGGCGCGCCGGGATGGGCCCAAGCGGCGGCAGCTGACGTTCCGGGAGAAGTCGCG  
 GATCATCCAGGAGGTGGAGGAGAACCCGGACCTACGCAAGGGCGAGATCGCGGGCGCTTCAACATCCC  
 CCGTCCACGCTGAGCACCATCCTGAAGAACAAGCGGCCATCCTGGCGTCGGAGCGCAAGTACGGAGTGG  
 CCTCCACCTGCCGAAGACCAACAAGCTGTCCCGTACGACAAGCTGGAGGGGCTTCTCATCGTTGGTT  
 CCAGCAGATCCGCGCCGCGGGCTGCCGGTCAAGGGCATCATCCTGAAAGAGAAGGCGCTCGGATAGCG  
 GAGGAGTGGGCATGGACGACTTCACTGCTTCCAACGGCTGGCTGGATCGCTTCCGACGGCCACGGTG  
 TAGTGGCCTGCAGCGGCGTGACCCGTTCTCGGGCGGAAGCTCTGCCCTCGGGCTCCAGCGGCACCTGC  
 CGGCCAGCCACGGTGCCTCCGAGGGCAGCGGTGGGAGCACACCCGGCTGGCACACGAGGGAGGAGCAG  
 CCGCCGTGGTAGCTGAGGGCTACGCCTCGCAGGACGTGTTACAGCGCCACCGAGACCAGCCTGTGGTACG  
 ACTTTCTGTGGACCAGGCTCAGGGCTCTGGGGAGGTGATGGACCGGCGGCCAGGCCACCCAGCGCT  
 TAGCGTTTTGCTGTGCGCAACGCCGATGGCAGCGAGAAGCTTCCCCACTGGTCGACGGCAAATCTGCC  
 AAGCCCCGTGCAGGGCAAGGTGGTCTGCCCTGCGACTACACTGCCAACTCGAAGGGTGGAGTCAACCC  
 AGGCTCTGGCTAAGTACTTGAAGCTCTGGACTCGAATGGCAGCAGAATCTCGTGGGTCTTCTGCT  
 GGCCGGCCGTCTGGCTGCCAGTCTTGGACACCTCGGGCTCGGCGACGTGCAGCTGGCCTTCTCCCT  
 CCTGGCACCGTGATCCTTTGGAGCGAGGAGTGGTCCAACAGGTGAAGGGCCACTACCGCCAGGCGATGT  
 TGCTCAAGGCCATGGCAGCACTCGAGGGCCAGGATCCCTCAGGCTTGCAACTGGGCTTGTGGAGGCCCT  
 GCACTTTGTGGCTGCAGCCTGGCAGGACGTGGAGCCCTCGGACATAGCAACTTGCTTTCGTGAGGCGGGT  
 TTTGGAGTGGCCTTAATGCCACTATCACCCTTCTTCAAGAGTGAAGGGAGAGGAAGAGGAGGAAGAGG  
 AGGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGGTGAAGGGGAAGAGGAGGAGGAAGAGGAAGAAGG  
 GGAGGAGGAAGGAGGGAAGGAGGAGGAGGAAGGAGGAGGAAGAGGTAGAAGAGGAAGTGAAGTTGATGAT  
 AGTGAAGAGGAGGAAGAAAGTTCTCTGAGGGTTAGAGGCTGAAGACTGGGCCAGGGAGTGTGG  
 AAGCCAGTGGTGGTTTTGGGGTTATAGTGTCCAGGAAGAGGCCAGTCCCCACTCTCCATTTCTGGA  
 AGGAGGAGGACTCTGACTCAGACAGTATGAAGAGGAGGACGATGAAGAGGAGGATGAGGAGGATGAA  
 GATGAGGAGGATGATGAGGATGGTATGAGGTCCTGTGCCAGCTTTGGGGAGGCCATGGCTTACTTTG  
 CCATGGTCAAGAGGTACCTGACCTCCTTCCCCATCGATGACCGAGTGCAGAGTACATCCTTCATTTGGA  
 ACACGATCTGGTCCACGTGACTAGGAAGAACCGAGCCTGCCTCTGCCTGCTTTCCACCTCCCCAGATCCC  
 TTTCTCTGGCCAGTCTTTGGCCCTTGGTTTTCTTTCCAGATTGGAGTTTCCAGGAGGCCCTCCAGGGG  
 CGTGACAGCAGGCACCTCCAATCTGGGTAGCTACAGGCCTCTGCCTCATCTCTGCAGACCCCATCCTG  
 GGCAGAGGGGCTGGGGCTGGGCCAGAGTCCAGCCACCCAGGTGCTCCTTTCCAGCTTGAATTCAATA  
 AATCTGTCCACTCCCCTTTGTGGGAGTGAATGTTTTAACAGCCAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC006628

**Insert Size:** 1869 bp

**OTI Disclaimer:** 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).

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [BC006628](#), [AAH06628](#)

**RefSeq Size:** 2090 bp

**RefSeq ORF:** 1869 bp

**Locus ID:** 12616

**Cytogenetics:** 2 63.29 cM

**Gene Summary:** Interacts with centromeric heterochromatin in chromosomes and binds to a specific 17 bp subset of alphoid satellite DNA, called the CENP-B box. May organize arrays of centromere satellite DNA into a higher-order structure which then directs centromere formation and kinetochore assembly in mammalian chromosomes.[UniProtKB/Swiss-Prot Function]