

## Product datasheet for **MC204470**

### **Cep104 (NM\_177673) Mouse Untagged Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Cep104 (NM_177673) Mouse Untagged Clone   |
| Tag:                      | Tag Free                                  |
| Symbol:                   | Cep104                                    |
| Synonyms:                 | A930027E11; A1115523; Kiaa0562; mKIAA0562 |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



[View online »](#)

**Fully Sequenced ORF:** >BC046331  
 GTTGCCACGAGACTAAAGACTGTAGCTCTGGCTCCGGAGCTCTTCCCTGCTCTTCTGGACAGCCAGTGTG  
 TGCAGAAATGCCCCACAAGATTGGATTTGTAGTGGTCAGCTCCTCTGGACATGAAGATGGCTTCAGTGCCC  
 GAGAACTAATGATCCACGCACCAACCGTCAGTGGGTGGAGATCACCAAAATCTGCCAGTTTCCACAAGA  
 AATCGTTCTCCAGATGGTGGAGAGGTGTCGAGTAAGAAAGCTGCAGTTACTTGCTCACCAGTACATGATC  
 TCTAGCAAAGTCGAGTTCTACATCAGTGAAGCCTGCCTGAGTACTTGGTGCCATACCAAGCAGAGAGGT  
 TCCGCAGACTGGGCTATGTCTCCCTCTGTGATAATGAGAAGACAGGCTGCAAAAGCCCGGAGCTCAAGTC  
 TGTTTATGTGGATGCTGTGGGGCAGTTTCTTAACTGATTTTTACCAAAACCATGCCAAACAAATACAAC  
 ATATATAATCAGGTGGCTTTGGTTGCAATAAATATCATTGGAGACCCTGCAGATCTGGGTGATGAAAGCA  
 ATATTACCTCTAGGGAGAAGCTGATCGACCACTACCTGGGCCACAGTCCCCACAATCCTGAGGACCCAGC  
 CCTAGATGGAACTTTCTCTGGGCGATCTGACTACATCTCTCCACTTGATGACTTGGCTTTTGACATGTAC  
 CAAGACCTGAAGTTGCCAGATCATCCGCAGGCTGGATGAAAGGAAACGGGAAGCTGTCAAGAAGGAGC  
 GCTATGACCATGCAAAAGAACTGAAGCAAGCGATCGCTGACTTGCAGAAGGTCGGTGAGCGCTAGGGCG  
 CTATGAAGTGGAGAAGCGCTGTGCGGTGGAGAAGGAAGACTACGATCTGGCCAAGGAGAAGAAACAGCAG  
 ATGGCTCGCTACCGTGCCAGGTGTACGAACAGCTGGAACATACATGGCCTTCTGCAGGGCGAGCCAGAGA  
 TGCAAGAGGCCATTGCGCTTGCCCTCCAGCCCCTTGCATCTCCAGCAGTCCCCAGCACTGGAAGGCCGT  
 GTCCTCACTCCCTCGCACAGAAAAGCTGGTAGCTGAAGACTCGTTTGTGGCCCTGTCTCCAGGAGAAG  
 CCCTCAGCATCTTCTCCTCAGCATTGAGCAGTGGACCCGTCCCCACCTGCTGCAGGCCACGCCCAAGGA  
 GCCATACGGAAGTCTGCCCTATGATGAACGGCTCTTCTGTTACTCGGAAGCAGTTGGGGGAAGCATC  
 TGCAGAGGCAGAAGTGAAGAGGCAGACAGTGTGTCGGAGGCGGGGTGTCGAGGGGAGCCAGAGCCC  
 TTGACAGAGAAGGCCCTTGAGAGAAGCCAGTGTGCCATCGACACCTTAGCGGAAGCCTTGGTGGCTGGGG  
 CCTATTCTAAGATGTGGTCTGCCGAGAAGATGCACTACTGGCGTTGTACAAGAAGCTGATGGAGATGCC  
 GTTTGGAACCCAGAAGGAAGATTTGAAAAACATGCTCCGAGCATCTGTCTTTCTCATCGAAGAGCCATA  
 AAGGACATTGTGGCTCAGTCTTTTCAGGCTTCATTGAAATTGCTGAAAATGATAATTACACAGTATATTC  
 CCAAGCACAAGCTGGGCAAACTTGACACAACGCACTGTGTGGAGAGAGCTTTCCCTCTTACTCGCCAG  
 AGCTGGAGACTCCTCTGCCCCGCTCCGTGTGATGGCCTTGAATTCATCCAGGAAATGGCCTTGTTAAG  
 GAGGTGAAGTCTCTCAGCTCATTCCGTCTACTTGGTGAGCCGCTGAAGGCCAATGCTTCCGTTCATC  
 TGGCCATGAGCCAGGTGGACCTGCTGGCCCGGCTGCTGAGAGACCTGGGCACCGAGAGCTCAGGCTTCAC  
 GGTGGACAATGTGATGAAGTTTGCAGTGAGTGCCTGGAGCACAGGGTGTATGAGGTGCGAGAGACAGCG  
 GTCAGGATCATCTGGACATGTACAGACAGCACCCAGCCCTCACCTGGAGCACCTCCCTCCAGACGACA  
 GCGCCACACGCAGGAACCTTCTCTACAAAGCCATCTTTGAGGGGTTTGTCTAAGATAGATGGCTCTGTCTT  
 ACCAACCGAGGCTGAGGTGAGGGCCAGAAAAGAGTAGCCACCAAGAAGCAGAAAAGCAAAAGAAAGAA  
 GAGATGAAGGCTCTGCAGGGCCAGTCAGGAGAAGTGAAGAGAGACCAGGCTGGAGTCCAGGAGAAGGAGA  
 GTGAGGCTGTGAAGCTCAGGAATCAAGACCCTCAAGGAAGGAAAGCTGTCTACCCGACACTCCAGAAAT  
 CCCAGCTAACCCTTTTTGGATAATCTGTGTATCTTTTGTGGGAGAGGAATGAGTCCTTCACAGAAGAG  
 GGCCTGGACCTCCACTACTGGAACACTGCCTCATGCTGACCAGATGCGACCACTGCAGGCAGGTGGTTG  
 AGATATCCAGCCTTACAGAACACCTGCTGACAGAATGTGACAGAAGGGACGGATTGCGGAAGTGCCCCCG  
 CTGCAGCGAGGCCATCCCAAGGAGGAACCTTCTGGGCACATCAAACTAAGGAGTGCAGCCCTGCCAAG  
 CCAGAGAAGGTGGCGAACCACTGTCCCTGTGTGATGAGAATTTGCTCCTGGAGAAGAGCGTGGGAAGG  
 TTCATCTGATGGGCCCTGCTGGCTGCACAATGAACCTGCGCAAGACACATGTTCTCTACAAGGCTACAGC  
 CCCGCAGCAAGGGAAGGCCAGCAGCAGCAAGTCAAGCACCTCAGCACCAAGGTTGGAAGCAAGATC  
 CCCACCCCAAGGGAGGCCTTAGTAAGAGCTCCAGCAGGACATACATGCGACGGTGACAGAGTTTCCAGT  
 TCTGTCTCTGACAGGCTGTGCAAGGTTCCCGCTCTAAGCCATGTGTGTTGGCATGGTGATGCAGGGCTC  
 CATGCCACTGTCCCTTGGCCTCTGGTGTCCAGTGTCTACTCTCACAGGAACAGTACATGTTATGACCA  
 AAGAGCCCTTTCCAGTGTGGCCCCAGTCTGGGCTGTGTGAGTGTCTGAGGCCACCACAAGCACAGCAGC  
 CACTTCCCGCTGCTGAGAAGATACACCCAACTTGGAGTGCAGTGGTGTCTTGACACATCAGGCTTT  
 GCACAGAGCTCAGCTTTGGTGGCCATAGAAGACCCACAGCCTGCTGTGCCGCTCTCATGGTCTGTCT  
 GCCAGTTGTACACCATATATAGCAACAAGCAATAAAGGAAATCGAGCAAAAGACAAAAAAGAAAAA AAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_177673

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insert Size:           | 2781 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: | <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> |
| Note:                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq:                | <a href="#">BC046331</a> , <a href="#">AAH46331</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:           | 3293 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 2781 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:              | 230967                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt ID:            | <a href="#">Q80V31</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cytogenetics:          | 4 E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary:          | Required for ciliogenesis and for structural integrity at the ciliary tip.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                         |