

## Product datasheet for **MC204428**

### **Poc5 (NM\_026173) Mouse Untagged Clone**

#### **Product data:**

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Poc5 (NM_026173) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Poc5                                  |
| Synonyms:                 | 1200014M14Rik; AV144706               |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >BC037631  
 CCACGCGTCCGAGGGGAGCCGCTGTGCTTGTGTTGCGGCGGCGACGCCGTCTGTGCGAGCGAGTCA  
 GGAGCCGGGGTTTCGCCGAGACGGTGGATCCCGGTGGCGGCGCCAGGCCGGTTCTCCCTGGCAGGGTT  
 GGGAGCATCGTCCCTGGAGGTGCCAGAAAGAGAAGACACAAGTGATGCGAACTAAATGAGTAAATCCATA  
 GGAGCCCAGGGATACTGACTCCTGCGTGGCCACAAACCCGATGCTCCAGAGGCAACCTCATGCCGGCACA  
 GCTGGTACTGAACTTGTGACCTTCCAGTCCCATTGTGCCACCGTCTTGTCTCGTGTTCGAGAATGTC  
 ATCTGATGAGGACAAGTGTCACTTCATGTGGCTCACAATGACTCTGACCGTTCTGTCTCCACAGACCTT  
 CAGGAGGAGTATGAAGAGCTGCTTCGCTATGCTATTGTGAATCCAAATGTTGAATGCAGTGCTTCGCAGC  
 CATCTCACCTTAGAGGAGAAGTGGCACCGGATAGATTCCCTACGCTAGCTGGAAATAACCTGTAAAGAGA  
 CACTGAACTGGAAGTGGGAAAAGGATCCGATTTAAATATTTCAAGCCATTCAAAATCAGGGTCACCCAGG  
 AAGCCATCTCACCCAGTCATGGACTTTTTAGCTCACATGTTTTAGATGACTCTTCTCGCCAGCCTCTC  
 TTTCTACTCGACAGATGCCCATGAAATAAATGGGGGGGAGCATCTCGTCTCTGATGAAAATTTTCAGAA  
 GTTGGAGAATATACTTGATATCTGGAGTTCAGGTCTTAAGACGAACGTTTTGTCTGAGCTGAGTAAGTGG  
 AGGCTGAACTTTATCGACTGGCACCGAATGGAGATGAAGAAGGAGAAGGAAAAGCATGCGGTGGTCTGTA  
 AGCAGCTGTCAAACAGATCTCGACCTGAAGGAGCTGCAGAAAGCCTTTGAGATCTCCATCGGGAGAAA  
 GGATGAGGTGATTTCAAACCTGTCTCGTGCCATCGGCAAGCAAAAAGGAGAGGATAGAGTTAATGAAAAGC  
 TTCTTCCGCTGGAGGATCGGCCATGTCAAATCCAGACAGGAAATTTATGAAGGTAAGTGGCTGACCACT  
 ACTTTTCAGAGAACTTTGCTGAAGAAAGTCTGGAAGGGCTGGCGCTCTGTGGTACAGAGGCAGTGGAAAGA  
 TGTGGTGAACGTGCGTGCCAAGCGAGGGCTGAAGAAATGATGTGTGCAGATCTCCAATGATTATGAAGCC  
 AGACTAGCTATGTTATCTGGAGCTTTGGAAAAATGCAAAGGCTGAGATTCAAAAAATGCAGCAGGAAAAAG  
 ACCATTTTCAAGACTCCATGAAGAAAGCATTTCATGCGGGGAGTGTGTGCATTAAATCTGGAGGCCATGAC  
 CATATTTTCAGAACAAAAATGAGGCAGGGATAGACTTCACAAATAATAAAAAGGAAGAGAGTGGCCCTGGC  
 GGTCCCGAAGAGAGCCTTCTGCTCACTTGGATACTTCTTCGTCACGATGCCGTGAGCAGTTCCGTGAC  
 AGCTGCTGCCCTCTGGACCATTAGCAGCAGGAGTAGCCAGTGCCACTGCCCTTCCCTCCGCTGCTTCCCT  
 GACCTCGGCCGGAGCTACATCGGCCTTCTCTTTCACGTTCCCATCTCTATTCTCAGTGCAGGATCTGCA  
 GCTGCTCTGCCCCAGAGGAATCGTACGCACCAAGAGTCGTGACCGCAGCCAGCAGAAAGCTGGGAAGA  
 CAATTACAGCCCGGATCACAGGTCGGTCTGATTTTGGTTCCAAAGCTAGAATCAACAGCAGTTTGGCGAT  
 AATGGGAGTCTCTCTCCATGGGCTCAGTCGTTGTGGAGAAACATCATCCAGTCACAGTGCAAACCAT  
 CCTCAGGCAACTGCTGCCAAGTACCCACGGACCATCCATCCTGAAAGCAGCATCTCCGCTCTAGGTCTC  
 TCGGAGCCAGGCCGGGCCACGCCAGTCTCTCAGTTTCTGATGATAAAAGTGGTTGACTAGAGGGGCTG  
 TGTTTCACTCATGGCTATGAGTCTCTGATAAGGACTTCTGAGGAGCAGCAAGCTTCTGGTTTTGAC  
 TTTTCTGTACTGTCAGAGCATCATGGACATATCATGTGCATCTTCTCAGAAATACAAGAGACTTCCCAT  
 CCTTTGTAAGTGTATGTATAGATTATTTAATGTTATTTTATTTAAACAATTAAGTAGAACTTTTAAAT  
 TAAACAAACAAAAAACCTTGTTCTAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_026173

**Insert Size:** 1677 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:                | <u><a href="#">BC037631</a></u> , <u><a href="#">AAH37631</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq Size:           | 2292 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 1677 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:              | 67463                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:            | <u><a href="#">Q9DBS8</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cytogenetics:          | 13 D1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary:          | Essential for the assembly of the distal half of centrioles, required for centriole elongation.<br>[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                |