

Product datasheet for **MC216579**

Poc1b (NM_027740) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poc1b (NM_027740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Poc1b
Synonyms:	4933430F16Rik; Wdr51b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216579 representing NM_027740
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCCGGCCTGGAGGATCCGATTCTGGAACGTTCTTTAAAGGTCACAAAGCTGCCATCACCTCCG
 CTGACTTCAGCCCAACTGCAAACAAATTGCTACTGCTTCGTGGGACACCTTTCTCATGCTATGGAGTTT
 GAAGCCACACGCTAGAGCTTACAGATACGTGGGCCACAAGGATGTTGTAACCAGCCTGCAGTTCTCGCCA
 CAAGGAAACCTATTAGCCTCTGCCTCGAGGGACAGAAGTGTAGACTGTGGGTTCTTGATAGGAAAGGGA
 AGTCTTCAGAATTTAAAGCACACACAGCCCAAGTTCGGAGTGTGGACTTTTCCGCTGATGCCAGCTTTT
 GGTTACAGCATCTGAAGATAAATCCATTAAGTGTGGAGTATGTTCCGTCAGCGCTTCTCTACTCCCTG
 TATCGACACACACTGGGTACGCTGCGCAAATTTTACCTGACGGAAGTTGATCGTGCATGTAGTG
 AGGATAAACTATTAATTTGGGACACTACCAATAAGCAGTGCCTTAATAACTTCTCAGACTCTGTAGG
 ATTTGCAAATTTTGTGGATTTTAAACCCCAACGGCAGTGCATCGCTTTCAGCAGGTTCTGACCATGCTGTG
 AAAATCTGGGATATAAGAATGAACAAATTAATCCAGCACTACCAAGTTCACAGCTGCGGTGTGAAGTGTG
 TGTCTTCCATCCTTTGGGTAACAGCCTTGTACCCGCCTTCTGATGGAACAGTTAAGATGCTGGATCT
 CATAGAGGGAAGACTCATATACACACTTCAAGGACATACGGGGCCGCTTTACCCTTTCATTTTCGAAG
 GACGGAGAGCTGCTTACATCAGGCGGGGACAGTGCAGGCTTGTGTTGGAGGACCAACTTCATTCACC
 TGCCTGTAAAGATCCTAAAAGAAACCTCAAAGACTGCCTTTGAGGCCTCCCAACACCTTCTTGACAT
 CTACCCACGGTACCAGCATTCCCATGAAGACAGAAAGGAGACTATTGAAATTAATCCCAAGCGTGAGGTG
 ATGGATTTGCAGAGCTCGTCTCCCCCGTGGTGGATGTCTTTCTTTTCGATTCAACCACAATGACGGATT
 CCACCTATCGAGCTGTCCAGGCAAGGTGAAGACATCTGTAGTATTTCTTGAACCTTTGTTAATGCC
 AGAATGTTTCATCCACAACCTGTGAAAAAGAGACCAGAAGATGTAAGTGTGTCCTCCGAAAGCCTGAGG
 AGCGTCCCGCTGGCGGTGGCTGACGCACTGGAGCACATTATGGAACAACCTCAACATCCTAACCCAGACTG
 TTTCAATTCTGGAGCAGCGACTGTCTTTGACAGAAGATAAGCTGAGAGACTGCCTTGAGAATCAGCAAAA
 GCTTTTCAGCGCTGTCCAACAGAAGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_027740
- Insert Size:** 1431 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: [NM_027740.6](#), [NP_082016.1](#)

RefSeq Size: 2727 bp

RefSeq ORF: 1431 bp

Locus ID: 382406

UniProt ID: [Q8BHD1](#)

Cytogenetics: 10 C3- D1

Gene Summary: Plays an important role in centriole assembly and/or stability and ciliogenesis. Involved in early steps of centriole duplication, as well as in the later steps of centriole length control. Acts in concert with POC1A to ensure centriole integrity and proper mitotic spindle formation. Required for primary cilia formation, ciliary length and also cell proliferation. Required for retinal integrity.[UniProtKB/Swiss-Prot Function]