

## Product datasheet for MC201416

### Poc1a (NM\_027354) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Poc1a (NM\_027354) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Poc1a  
**Synonyms:** 2510040D07Rik; cha; Wdr51a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC034901 sequence for NM\_027354  
 TGGGGCACAGCTGGTCCCTACCAGCCCGCTAGCCCCACCATGGCTGCTCCCAGCCAGGAGGCCCTCACT  
 GGAGAGACATTTTAAGGGCCACCGAGATGCAGTCACCTGTGTGGACTTCAGTCTCAACACCAAGCACTTG  
 GCCAGTGGCTCCATGGACTCAACCCTCATGATCTGGCACATGAAGTCCCAGTCACGTGCCTACCGCTTCA  
 CGGGCCACAAGGACGCTGTGACCTGTGTGAATTTCTCCCATCCGGACACCTTCTTGCTCAGGCTCCCG  
 AGACAAGACTGTTGCGATCTGGGTACCCAAATGTCAAAGGTGAGTCAACTGTATTTGTCGACACACGGCC  
 ACAGTGAGGAGTGTCCACTTCTGCAGCGATGGCCAGTCACTTGTGACAGCCTCTGATGACAAGACAGTCA  
 AAGTGTGGTCAACTCATCGCCAGAGATTTCTGTTTTCCCTGACCCAGCACATCAACTGGTCCGCTGTGC  
 CAAGTTCTCCCTGACGGGCGGCTCATCGTGTCTGCCAGTGATGACAAGACTGTCAAGCTGTGGGACAAG  
 ACCAGCCGGGAATGTATCCACTCATACTGTGAGCACGGCGTTTTGTACCTACGTGGACTTCCACCCCA  
 GTGGTACCTGCATTGCTGCTGCCGGCATGGACAACACGGTGAAGGTGTGGGATGCGCGGACTCATCGCT  
 GTTGCAGCATTATCAGTTACACAGTGCAGCCGTGAATGCCTCTCCTTCCACCCATCGGGAAACTACCTC  
 ATCACAGCCTCCAGTGACTCAACGCTGAAGATCCTGGACCTGATGGAGGGCCGGCTGCTCTATACGCTCC  
 ATGGGCACCAGGGGCTGCTACCACCGTTGCCTTTTCAAGAACGGGGGAGATTTTCGCTTCTGGAGGCTC  
 CGATGAGCAGGTGATGGTCTGGAAGAGTAACTTTGACATTGTTGATTATGGAGACATGAAGGCACGGAGG  
 CCCCCACCCCTAACCCAGCTCTTCTGGAAGTCTGCCAAAAATGGATTTGCCTGTCCCACAGGCAGAGACA  
 GGAGTCTGGAGTCAGTTCAAGGCGAGCCCCAGGAGTCCATCAGCATGCCTCAGACACTGACCAGCACCT  
 GGAGCACATCGTGGGCCAGCTGGACATCCTCACGACAGTGTCCATTTCTGGAACAGCGACTGACACTA  
 ACAGAAGACAGGCTGAAGCAGTGCCTGGAGAACCAGCAGTTAATCATGCAGAGAACCACCGTGTGAG  
 GGGAGCAAGGATCAGGAGCTCAGTGATTGGGGGACAGCAGGCCAGGGATTTGTATGGGGACTTGAGTAA  
 ATAAATAAAGGGATCCCACCTGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI  
**ACCN:** NM\_027354  
**Insert Size:** 1218 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="#">BC034901</a> , <a href="#">AAH34901</a>
<b>RefSeq Size:</b>	1372 bp
<b>RefSeq ORF:</b>	1218 bp
<b>Locus ID:</b>	70235
<b>UniProt ID:</b>	<a href="#">Q8JZX3</a>
<b>Cytogenetics:</b>	9 F1
<b>Gene Summary:</b>	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 POC1B to ensure centriole integrity and proper mitotic spindle formation (By similarity).[UniProtKB/Swiss-Prot Function]