

Product datasheet for **MR206365**

Poc1a (NM_027354) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poc1a (NM_027354) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Poc1a
Synonyms:	2510040D07Rik; cha; Wdr51a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206365 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCTCCCAGCCAGGAGGACCCCTCACTGGAGAGACATTTTAAGGGCCACCGAGATGCAGTCACCT
 GTGTGGACTTCAGTCTCAACACCAAGCACTTGGCCAGTGGCTCCATGGACTCAACCCTCATGATCTGGCA
 CATGAAGTCCCAGTCACGTGCCTACCGCTTACGGGCCACAAGGACGCTGTGACCTGTGTGAATTTCTCC
 CCATCCGGACACCTTCTGCCTCAGGCTCCGAGACAAGACTGTCGCATCTGGGTACCAATGTCAAAG
 GTGAGTCAACTGTATTTCTGTGCACACACGGCCACAGTGAGGAGTGTCCACTTCTGCAGCGATGGCCAGTC
 ACTTGTGACAGCCTCTGATGACAAGACAGTCAAAGTGTGGTCAACTCATCGCCAGAGATTTCTGTTTTCC
 CTGACCCAGCACATCAACTGGGTCCGCTGTGCCAAGTTCTCCCCTGACGGGCGGCTCATCGTGTCTGCCA
 GTGATGACAAGACTGTCAAGCTGTGGGACAAGACCAGCCGGAATGTATCCACTCATACTGTGAGCACGG
 CGGTTTTGTACCTACGTGGACTTCCACCCAGTGGTACCTGCATTGCTGCTGCCGGCATGGACAACACG
 GTGAAGGTGTGGGATGCGCGGACTCATCGGCTGTTGCAGCATTATCAGTTACACAGTGCAGCCGTGAATG
 CCCTCTCCTTCCACCCATCGGAAACTACCTCATCACAGCCTCCAGTGACTCAACGCTGAAGATCCTGGA
 CCTGATGGAGGGCCGGCTGCTCTATACGCTCCATGGGCACCAGGGGCTGCTACCACCGTTGCCTTTTCA
 AGAACGGGGGAGTATTTCTGCTTCTGGAGGCTCCGATGAGCAGGTGATGGTCTGGAAGAGTAACTTTGACA
 TTGTTGATTATGGAGACATGAAGGCACGGAGGCCCCACCCCTAACCAAGCTCTTCTGGAAGTCTGCCAAA
 AATGGATTTCCTGTCCACAGGCAGAGACAGGAGTCTGGAGTCAGTTCAAGGCAGCCCCAGGAGTCC
 ATCAGCATGCCTCAGACACTGACCAGCACCCCTGGAGCACATCGTGGGCCAGCTGGACATCCTCACGCAGA
 CAGTGTCCATTCTGGAACAGCGACTGACACTAACAGAAGACAGGCTGAAGCAGTGCCTGGAGAACCAGCA
 GTTAATCATGCAGAGAACGCCACCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR206365 protein sequence
Red=Cloning site Green=Tags(s)

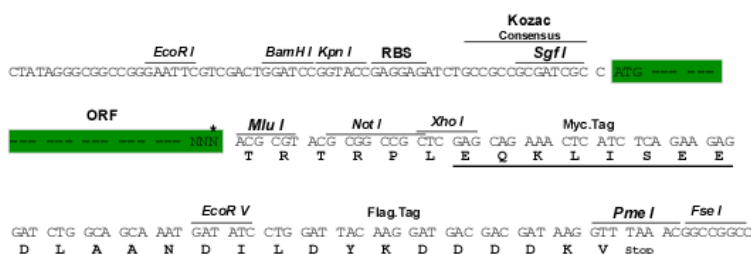
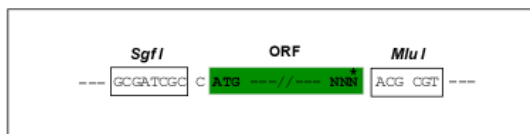
MAAPSQEDPSLERHFKGHRDAVTCVDFSLNTKHLASGSMDSLMIWHMKSQSRA YRFTGHKDAVTCVNFSPSGHLLASGSRDKTVRIWVPNVKGESTVFRAHTATVRSVHFCSGDGQSLVTASDDKTVK VSWTHRQRFLFSLTQHINWVRCAKFS PDGRLIVSASDDKTVKLWDKTSRECIHSYCEHGGFVTVYVDFHPSGTCTAAAGMDNTVKVWDARTHRLQLHYQLHSAAVNALSFHPSGNYLITASSDSTLKILDLMEGRLLYTLHG HQGPATTVAFSRTGEYFASGSDSEGVMMVKSNFDIVDYGDMKARRPTLTSSSGTLPKMDLPVPPGRDRSLSES VQGEQPQESI MPTOTLSLEIHIVGOLDITOTVSI EORLTLTEDRLKOCL ENOOLIMORTPP

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 027354

ORF Size: 1215 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027354.1](#), [NP_081630.1](#)

RefSeq Size: 1707 bp

RefSeq ORF: 1218 bp

Locus ID: 70235

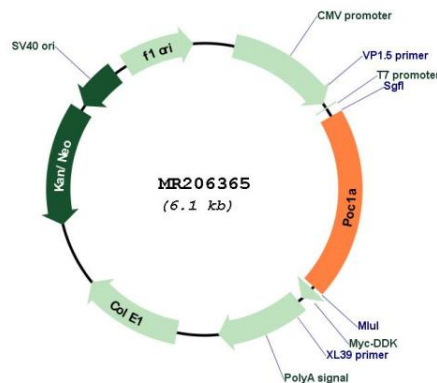
UniProt ID: [Q8JZX3](#)

Cytogenetics: 9 F1

MW: 45.1 kDa

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 POC1B to ensure centriole integrity and proper mitotic spindle formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206365