

## Product datasheet for **RR203121**

### Pop1 (NM\_001130550) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pop1 (NM\_001130550) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pop1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203121 representing NM\_001130550  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTAACGCAAAGGAGAGAAAACATGCTAAGAAAATGAGAAGCCAGCCAGTAATGTGACTCTGTCT  
CCGGCTTTGTGACTGAGAGAGATGGAAAGCGCCATTTGGGGGAAACCTTCCCAATCTCAGAAACAAGA  
GCTTCATTCTGGAACCTCACGGCAGTGGCAGATCAAGATGAGCCCCACTTACTTCTGAGTCTGATGCG  
AATGAGCAGACTTCTCCAAAACCATGTTAAGAAAAAGGAGGCTGGAAAGCAGGTCTGAGGGCACTT  
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GTTAAAAGCTGTGACCCAGAAGTCTCCAATTCCTGGTTTTCCAGACTTCCACGGCAGATGCGGCGA  
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GACCCTGGAGTTAACCGCAGACAACAGAAGAATATATGGTTAGAGACTCATATCTGGCATGCCAAACGG  
TTTCATATGGTGAAGAGTGGGGTACTGTCTCGGGGAGAGGCCACGGCCAAGAGCCACCGAGCCTGCT  
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AGAGGAAGAAATACTGAAGGCATTTCTCAAATGTGCAGCATAGACACAGGACTGACTTTTGCTGCAGTT  
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GACCATTTGGTACGGGACAGGAGATCCCTGCCAGCCACGGTCGTGGCTCTCTCCCACTACAGGGATCGTA  
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CAGCACTGAGGGCTGCTCCTGTACACAGAGGTGAGGAGGATGCAGAGGAGACACCCGATGGCTGGTGGAC  
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GGGATATCGTCACCGGCAGAAATTCAGCAGGTAATTTCTGGGATTGACAGTCAGGGACCCGAGAGTAA  
ATTTGCCTCCACAGCGGTGCAGAGCTTTGCCTGATCCAGAACGATACCACGTTTCAGAAATTTATCTGTGA  
GGAAGGGATGTGACACAGCAGCTGGTCTGTGCTCATTGGAAGCCTCTGTCTGACCATACAGATGATCCA



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GACAATGAGCAAGTTAAGCAGCTGCTTCTGGAGGGTGTGCTGTGGAGTGTGCACACAGCTTCATCTGGA  
 ACCAGGATATCTGCCAGAGCGTTACAGAGAATAAAATCGTGGACCAGGATTTAAACCGCATGAGAAGCGA  
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 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203121 representing NM\_001130550  
 Red=Cloning site Green=Tags(s)

MSNAKERKHAKKMRSPQSNVTLSSGFVTERDGRHFGGKPSQSQKQELHSGTSRQWQIKMSPHLLPESDA  
 NEQTSSKTMFKKGGWKAGPEGTSQEIPKYITASTFAQARAAEISAMLKAVTQKSSNSLVFQTLPRHMRR  
 RAMSHNVKRLPRRLQEMAKKEAEKAAHQKKEHSKNKCHKARRCHINRTLEFNRRQKNIWLETHIWHAKR  
 FHMVKRWGYCLGERPTAKSHRACYRAMTDLCLLQDL SYCCLELKGKEEELKAL SQMCSIDTGLTFAAV  
 HCLSGKRQGSMLYRANKYPRDMLGPVTFIWKSRTPGDASEERQLWIWLHPTLKLAVLEEIKTTCQCSE  
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 QPGKVTGEDRLGWGSGWDILLPKGWGMFAWIPFIYRGARVGGLEAAVHSQYKRSPNVPDGFDCRAGVL  
 FAEDQAKDLLEKYQRRPPAKRPNYVKLGLTLPFCPPWEQLTRDWE SRIQTQEAAVIDSVGAQETDPRRL  
 GVPVCPKETCQLSNEASIAENQPRKPEVTGCQAQAGTEVALEQNA SEDHAAATGSQLCVVRSRKLLKQLS  
 SWCGPSSSEVRRAPCRGQQLTRKACL SILADFPRALVWVSL SLLKKGSPPEPHTMICVPSKEDLFQLSQDQ  
 CYHGPCESRHSDFPKSLILKEKEKKEKQRQDGEQGASKQAAGAPTAGQEARIQGLWSGPLPLTSHCS  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

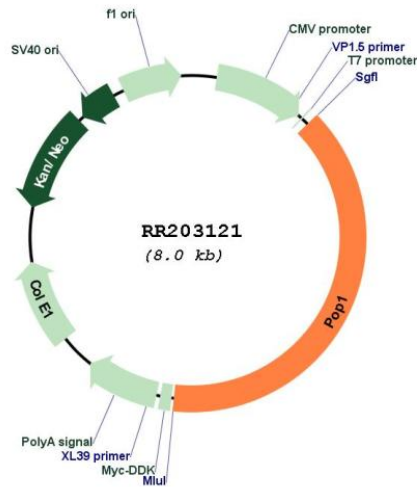
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001130550

ORF Size: 3132 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001130550.1</a></u> , <u><a href="#">NP_001124022.1</a></u>
<b>RefSeq Size:</b>	3369 bp
<b>RefSeq ORF:</b>	3135 bp
<b>Locus ID:</b>	315045
<b>Cytogenetics:</b>	7q22
<b>MW:</b>	116.6 kDa