

## Product datasheet for MR215021

### Pop1 (NM\_026340) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Pop1 (NM\_026340) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Pop1  
 Synonyms: 4932434G09Rik  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >MR215021 representing NM\_026340  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTAATGCAAAGGAAAGAAAACATGCTAAGAAAATGAGAAACCAGCCCAGTAACGTGACTCTGTCT  
 CCGGCTTTATGGCTGAGAGAGATGGAAAGCATATTTGGAAAGGGAAGCCGTCCTCAATCTCAGAAACA  
 AGAGCTTCATTCTGGAACCTCAAGGCAGTGGCAAATCAAGATGAGTCCCCACTTGCTTCTGAGTCTGAT  
 GTGAATGAGCAATCTTCTCCAAAACCATGTTTAAAGAAAAGGGAGGCTGGAAAGCAGGTCTGAGGGCA  
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 CATGTTAAAAGCTGTGACCCAGAAGTCACTAACTCACTGGTTTTCCAGACTCTTCCAAGGCACATGCGA  
 CGTAGAGCCATGAGCCACAATGTCAAACGCCTTCTAGACGGTTGCAGGAGATGGCCAAAAAAGAGGCGG  
 AGAAAGCTGCTCATCAGAAAAAAGAACATTCAAAAAATAATGCCACAAAGCCGAAGATGTCACATAAA  
 CCGGACTCTGGAATTTAACCGCAGACAACAGAAGAACAATGTTAGAGACTCACATCTGGCAGCCAAA  
 CGGTTTCATATGGTGAAGAAGTGGGGTTACTGCCTTGGGGAGAGGCCACGGCCAAGAGCCACCGAGCCT  
 GCTATCGAGCCATGACAAACCTCTGCCTCTGCAGGATTTATCATATTACTGCTGTTGGAGTTGAAAGG  
 CAAAGAGGAAGAAGTACTGAAAGCGCTCTCAAATGTGTAGCATAGACGCAGGCCTGACTTTTGCTGCA  
 GTTCACTGCTTGCTGGGAAGCGCAAGGGAGCCTCATGCTTTACCGGGCAAATAAGTATCCCAGGGAAA  
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 GAACCCGTCAGTCAAATATCTGCATGCCTGACCCACTCTGACACCAGCCCCGGAAGACATTCAAGCAG  
 GACTAGCTGGTGACAAAATCAGCAAGAAAAGAAAAGGAGAGACGATGGGGAGAGTGTAGCCGAGCTAA  
 GAAGACCATTGGTGACGGGACACGAGATGCCTGCCAGCCTCGGTATGGCGATCTCCCACTACAGGGATT  
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 GACTGACACTTGACAGGAGCTCTGATGGTCTCTTCCACAAAGACAAGAAGCAGTGTTTGAGTTGTTG  
 GGAGGGATATCATCACCAGCAGAAATCCAGCAGGTAATTCTGGGATTGACAGTTAGGGATCCGAGAG



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TAAATTTGCCCCACAGCGATCCAGAGCTTTGCCTGATCCAGAAAAGATACCAAGCTAATGAGCGAGTGAA  
 GCAGCTGCTTCTGGAGGGTGTGCCTGTGGCATGTGCACACAGCTTCATCTGGGACCAGGATATCTGTAGG  
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 CGCAACTTGATTTAGGGGCTCGTGAATCTAAGATACCCATACTTCTGATTCAGCAGCCAGGAAAAGTGAC  
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 TGACGCAGGGGCTGTGGTCAGGCCCCCTCCAGGACTAACCTCACACTGCTCCAGGCTCCTCCTAGGCTT  
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 TTGCTGGAATGTTGTCCAGCCAGTCAGCAGCCATGAGGGGCTGGTGTGCTGCGGCCTCAACCTCAC  
 TGCAGTATCGGTTTGAAGAATTACCATTGAGGTG

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 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215021 representing NM\_026340  
 Red=Cloning site Green=Tags(s)

MSNAKERKHAKMNRNQPNSVTLSSGFMAERDGHKHFHFKGKPSQSQKQELHSGTSRQWQIKMSPHLLPESD  
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 RRAMSHNVKRLPRRLQEMAKKEAEKAAHQKKEHSKNKCHKARRCHINRTLEFNRRQKNIWLETHIWHAK  
 RFHMVKKWGYCLGERPTAKSHRACYRAMTNLCLLQDL SYYCCLELKGKEEELLKALSQMCSIDAGLTFAA  
 VHCLSGKRQGSMLYRANKYPREMLGPVTFIWKSRTMPEDASEDRQLWIWLHPTLKLAVLEEIKTTCHCS  
 EPVKSNIKMPDPLLTPAPEDIQAGLAGDKISKKRKRDDGESVSRAKKTIGDGTDRACQPRSWRSPPTGI  
 IVSDLTMEENRFRLIGPLSHCILTSALRAAPVHTGEEDAETPHHWTDTCRSSDGRSLHQRQEAVFELL  
 GGISSPAEIPAGTILGLTVRDPVNLPPQRSRALPDPERYQANERVKQLLEGVVACAHSF IWDQD ICR  
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 WIPFIYRGARVGLKEATVHSQYRRSPNIPGDFPDCRAGVLF AEDQAKDLLEKYRRRPPAKRPNYVKLGT  
 LAPFCCPWEQLTRDWESRVHAQEAIIASMPGAQETDPRRLGVPCVPKEICQLSNEAGIAENQPRKPEVT  
 GCQAQEGTKVAMEWNAEAMATTGSQLCVVRSRLLKQLSSWCGPSSEIRRAPCRAQQELTSNVCLSIL  
 NDFPRALVWVSL SLLRKGSPHTM I CVPSKEDLHRLSQDQCYHGPWESRHSDFKSLILKEKEKKEK  
 RQDGEHRASEGQAAGPPIAGQEAL TQGLWSGPLPGLTSHCSRLLLGFVTQGDF SMAAGGGEALGFVSMTG  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

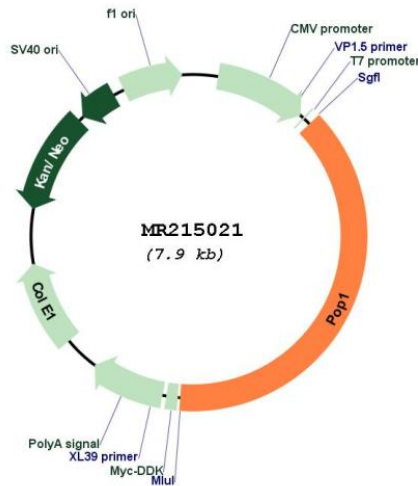
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_026340

ORF Size: 3045 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](#)

<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_026340.3</a></u> , <u><a href="#">NP_080616.1</a></u>
<b>RefSeq Size:</b>	3303 bp
<b>RefSeq ORF:</b>	3048 bp
<b>Locus ID:</b>	67724
<b>Cytogenetics:</b>	15 B3.1
<b>MW:</b>	114.5 kDa