

## Product datasheet for **RN203121**

### Pop1 (NM\_001130550) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pop1 (NM\_001130550) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pop1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203121 representing NM\_001130550  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTAACGCAAAGGAGAGAAAACATGCTAAGAAAATGAGAAGCCAGCCCAGTAATGTGACTCTGTCTC  
CCGGCTTTGTGACTGAGAGAGATGGAAAGCGCCATTTTGGGGGAAACCTTCCCAATCTCAGAAACAAGA  
GCTTCATTCTGGAACCTCACGGCAGTGGCAGATCAAGATGAGCCCCACTTACTTCTGAGTCTGATGCG  
AATGAGCAGACTTCTCCAAAACCATGTTTAAGAAAAAGGAGGCTGGAAAGCAGGTCTGAGGGCACTT  
CTCAGGAGATCCCCAAATATATAACCGCTTCTACCTTTGCTCAAGCACGAGCTGCCGAGATCAGTGCCAT  
GTTAAAAGCTGTGACCCAGAAGTCTCCAATTCCTGGTTTTCCAGACTTCCACGGCAGATGCGGCGA  
AGAGCCATGAGCCACAACGTCAAACGCCTTCTAGAAGTTGCAGGAGATGGCAAAAAGGAGGCTGAGA  
AAGCCGCTCATCAGAAAAAGAATTCGAAAAATAAATGCCACAAGCCGAAGATGTCACATAAACCG  
GACCCTGGAGTTAACCGCAGACAACAGAAGAATATATGGTTAGAGACTCATATCTGGCATGCCAAACGG  
TTTCATATGGTGAAGAGTGGGGTACTGTCTCGGGGAGAGGCCACGGCCAAGAGCCACCGAGCCTGCT  
ATCGAGCTATGACAGACCTCTGCCTCTACAGGATTTATCATATTACTGTTGTTGGAGTGAAGGGCAA  
AGAGGAAGAAATACTGAAGGCATTTCTCAAATGTGCAGCATAGACACAGGACTGACTTTTGCTGCAGTT  
CACTGCTTGTCTGGGAAGCGCAAGGGAGCCTCATGCTTTACCGGCAAAATAAGTATCCCAGAGACATGC  
TTGGGCCGGTTACCTTCTGGAAGTCTAGGGAGACCCAGGGGACGCCTCTGAGGAAAGGCAGCTGTG  
GATCTGGCTTACCCAACCTTAAACTGGCTGTCTAGAGGAAATAAAAACAACGTGCCAGTGTTTCAGAA  
CCCGTCAAGCCAAGTGTCTGTGTGCCTGCCCACTCTGACACCAGCCAGGAAGACATTCAGGCAGGAC  
TAGCTGATGACAAAATCGCAAGAAAAGAAAAGGAGAGATGATGGGAAAATGCTAGACGAGCGAAGAA  
GACCATTTGGTACGGGACAGGAGATCCCTGCCAGCCACGGTCGTGGCTCTCTCCCACTACAGGGATCGTA  
GTCAGTGACTTGACCATGGAGATGAACAGGTTCCGGCTGGTCGGACCTTTTCGCACTGTATCTGACCT  
CAGCACTGAGGGCTGCTCCTGTACACAGAGGTGAGGAGGATGCAGAGGAGACACCCGATGGCTGGTGGAC  
TGACACGTGCAGGAGTCTCATGGCCTTTCTCTTACCAGAGACAAGAAGCAGTGTTCAGTTGTTGGGA  
GGGATATCGTCACCGGCAGAAATTCAGCAGGTAATTTCTGGGATTGACAGTCAGGGACCCGAGAGTAA  
ATTTGCCTCCACAGCGTGCAGAGCTTTGCCTGATCCAGAACGATACCACGTTTCAGAATTTATCTGTGA  
GGAAGGGATGTGACACAGCAGCTGGTCTTGTGCTCATTGGAAGCCTCTGTCTGACCATACAGATGATCCA



GACAATGAGCAAGTTAAGCAGCTGCTTCTGGAGGGTGTGCTGTGGAGTGTGCACACAGCTTCATCTGGA  
ACCAGGATATCTGCCAGAGCGTTACAGAGAATAAAATCGTGGACCAGGATTTAAACCAGATGAGAAGCGA  
ATTGCTGGTGCCCGGATCACAGCTTGTTTTAGGGGCTCGTGAATCCAAGATACCTATACTTCTGATTGAG  
CAGCCGGGAAAAGTGACTGGCGAAGACCGACTGGGCTGGGGCAGTGGCTGGGACATCCTCCTTCCAAGG  
GCTGGGGCATGGCCTTTGGATTCCATTATCTACCGAGGTGCAAGGGTTGGTGGATTAAGAGAGGCTGC  
AGTACACTCTCAGTACAAACGGTCACCTAATGTCCCAGGCGACTCCCAGACTGTCGTGCTGGCGTTCTC  
TTCGCTGAAGACCAAGCTAAGGACCTTCTAGAGAAGTACCAAGACGCCCCCTGCTAAAAGGCCCAACT  
ATGTTAAGCTTGGCACACTGGCTCCTTTCTGTTGCCCTGGGAACAGCTGACTCGGGACTGGGAGTCCAG  
GATTGAGACCCAAGAAGCAGCTGTTATAGATTGAGTGCCTGGTGCCTCAAGAGACTGACCCAAGAAGGCTT  
GGAGTGCCTTGTGTCCTCAAGAGACTGCCAGCTATCGAATGAGGCAAGCATAGCTGAAAACCAACCTA  
GGAAGCCGGAAGTTACAGGCTGTCAAGCTCAGGCGGGGACTGAGGTGGCCCTGGAACAGAATGCCAGTGA  
GGACCACGAGCTGCCACAGGTAGCCAGCTCTGTGTTGTTGCGAGTAGGAACTACTGAAGCAACTCTCT  
TCCTGGTGTGGGCCAGTTCTGAGGTGAGGAGGGCTCCCTGCAGAGGCCAGCAAGAAGTACTAGAAAGG  
CTTGCTGTCCATTCTGGCTGATTTCCCAGAGCGCTGGTGTGGGTGAGTGTCCCTGCTCAAGAAGGG  
CAGCCCAGAGCCACACCATGATCTGTGTCCCATCCAAGGAGGACTTGTCCAGCTCAGTCAGGATCAG  
TGTTACCATGGACCTGCGAATCCAGACACAGCGACCCATTTAAAGCTTGATTGTAAGGAGAAAGAAA  
AGAAGAAGAAGGAGAAGAGGCAGGATGGGGAGCAGGGGGCTCCAAGGGCCAGGCAGCGGGCACCTAC  
AGCTGGGAGGAGGCTCGGATTCAGGGGCTGTGGTTCAGGCCCCCTTCCGGGGCTGACTTCACACTGCTCC  
AGGCCCTCCTGGGCTTCGTGACACATGGAGATTTCTCTATGGCTGTTGGCTGTGGAGAAGCCTTAGGGT  
TTGTTAGTGTAACAGGCTTGCTGGAAATGTTGTCCAGCCAGTCAGCAGCCATGAGGGGCTGTCCTGCT  
GCGGCTCCGACCTCGTGCAATACCGGTTTGCTAGAGTTACCATTGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001130550

**Insert Size:** 3135 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\\_001130550.1](#), [NP\\_001124022.1](#)

**RefSeq Size:** 3369 bp

**RefSeq ORF:** 3135 bp

**Locus ID:** 315045

Cytogenetics: 7q22