

Product datasheet for MR211519

Pop1 (NM_152894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pop1 (NM_152894) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pop1
Synonyms:	4932434G09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211519 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAATGCAAAGGAAAGAAAACATGCTAAGAAAATGAGAAACCAGCCAGTAACTGACTCTGTCT
CCGGCTTTATGGCTGAGAGAGATGGAAGCATCATTTGGAAAGGGGAAGCCGTCCTCAATCTCAGAAACA
AGAGCTTCATTCTGGAACCTCAAGGCAGTGGCAAATCAAGATGAGTCCCCACTTGCTTCTGAGTCTGAT
GTGAATGAGCAATCTTCTCCAAAACCATGTTAAGAAAAAGGGAGGCTGAAAGCAGGTCTGAGGGCA
CTTCTCAGGAGATCCCCAAGTATAAATGCTTCTACTTTGCTCAAGCAGGAGCCGCTGAAATCAGTGC
CATGTTAAAAGCTGTGACCCAGAAGTCATCTAATCACTGCTGTTTCCAGACTCTTCCAAGGCACATGCGA
CGTAGAGCCATGAGCCACAATGTCAAACGCCTTCTAGACGGTTGCAGGAGATGGCCAAAAAAGAGGCGG
AGAAAGCTGCTCATCAGAAAAAAGAACATTCAAAAAATAATGCCACAAAGCCGAAGATGTCACATAAA
CCGGACTCTGGAATTTAACCGCAGACAACAGAAGAACAATAGGTTAGAGACTCACATCTGGCAGCCAAA
CGGTTTCATATGGTGAAGAAGTGGGTTACTGCCTTGGGAGAGGGCCACGGCCAAGAGCCACCGAGCCT
GCTATCGAGCCATGACAAACCTCGCTCCTGCAGGATTTATCATATTACTGCTGTTGGAGTTGAAAGG
CAAAGAGGAAGAAGTAACTGAAAGCGCTCTCTCAAATGTGTAGCATAGACGAGGAGGCTGACTTTTGTGCA
GTTCACTGCTTGTGGAAGCGCAAGGAGCCTCATGCTTTACCGGCAAAATAAGTATCCCGGGAAA
TGCTTGGCCGGTTACCTTCATCTGGAAGTCTAGGATGACCCAGAGGATGCTTCTGAGGATAGGCAGCT
GTGGATCTGGCTTCAACCAACTCTAAACTGGCTGTCCTAGAAGAAATAAAAAACAACATGCCACTGTTCA
GAACCCGTCAAGTCAAATATCTGCATGCCTGACCCACTCTGACACCAGCCCGGAAGACATTCAAGCAG
GACTAGCTGGTGACAAAAATCAGCAAGAAAAGAAAAGGAGAGACGATGGGAGAGTGTAGCCGAGCTAA
GAAGACCATTGGTGACGGGACACGAGATGCCTGCCAGCCTCGGTCATGGCGATCTCCCACTACAGGGATT
ATAGTCAGTGACTTGACAATGGAGATGAACAGGTTCCGGCTGATAGGCCCTTTTCGCACTGTATCTGA
CCTCAGCACTGAGGGCTGCTCCTGTACACACAGGGGAAGAGGATGCCGAGGAGACACCACATCACTGGT
GACTGACACTTGACGAGCTCTGATGGTCTTCTTCCAAAGACAAGAAGCAGTGTGAGTGTGTTG



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GGAGGGATATCATCACCAGCAGAAATCCAGCAGTACTATTCTGGGATTGACAGTTAGGGATCCGAGAG
 TAAATTTGCCCCACAGCGATCCAGAGCTTTGCCTGATCCAGAAAGATACCAAGTTTCGGAATTTACCTG
 TGAGGAAGGGATGTGCACCGGCAGCTGGTCTTGTGCTCATTGGAAGCCTCTGTCTGACCATACAGATGAT
 CCAGCTAATGAGCGAGTGAAGCAGCTGCTTCTGGAGGGTGTGCCTGTGGCATGTGCACACAGCTTCATCT
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 AGGGCTGGGGCATGGCTTTTGGATTCCATTTATCTACCGAGGTGCACGAGTTGGTGGACTAAAAGAGGC
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 CTGTTTGTGAAGATCAAGCTAAGGATCTTCTAGAGAAGTACAGACGACGCCCTCCTGCTAAAAGGCCCA
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 GGTTTGTAGTATGACCGGCTTGTGGAATGTTGTCCAGCCAGTCAGCAGCCATGAGGGCCCTGGTGTCT
 GCTGCGGCCTCCAACCTCACTGCAGTATCGGTTTGAAGAATTACCATTGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211519 protein sequence
 Red=Cloning site Green=Tags(s)

MSNAKERKHAKKMRNQPNSVTLSSGFMAERDGHKHFHGKPKPSQSQKQELHSGTSRQWQIKMSPHLLPESD
 VNEQSSSKTMFKKKGWKAGPEGTSQEIPKYITASTFAQARAAEISAMKAVTQKSSNSLVFQTLPRHMR
 RRAMSHNVKRLPRRLQEMAKKEAEKAAHQKKEHSKNKCHKARRCHINRTLEFNRRQKNIWLETHIWHAK
 RFHMVKKWGYCLGERPTAKSHRACYRAMTNLCLLQDL SYYCCLELKGKEEELLKALSQMCSIDAGLTFAA
 VHCLSGKRQGSMLYRANKYPREMLGPVTFIWKSRMTPEDASEDRQLWIWLHPTLKLAVLEEIKTCHCS
 EPVKSNIKMPDPLLTPAPEDIQAGLAGDKISKRRRRDDGESVSRAKKTIGDGTDRACQPRSWRSPTTGI
 IVSDLTMMNRFRLIGPLSHCILTSALRAAPVHTGEEDAETPHHWWTDCRSDGRSLHQRQEAVFELL
 GGISSPAEIPAGTILGLTVRDPVNLPPQRSRALPDPERYQVSEFTCEEGMCTGSWCAHWKPLSDHTDD
 PANERVKQLLLEGPVACAHSFIWDQDICRSVTENKLLDQDLNMRSELLVPGSQLDLGARESKIPILLI
 QQPVGKVTGEDRLGWGSGWDVLIPIKGGWMAFWIPFIYRGARVGGLEATVHSQYRRSPNIPGDFPDCRAGV
 LFAEDQAKDLLEKYRRRPPAKRPNYVKLGTLPFCCPWEQLTRDWE SRVHAQEAIIASMPGAQETDPRR
 LGVPCVPKEICQLSNEAGIAENQPRKPEVTGCQAQEGTKVAMEWNASEAHMATTGSQLCVVRSRLLKQL
 SSWCGPSEIRRAPCRAQQLTSNVCL SILNDFPRALVWVSL SLLRKGSPPEHTMICVPSKEDLHRLSQD
 QCYHGPWESRHSDFPKSLILKEKEKKKKEKRQDGEHRASEGQAAGPPIAGQEAL TQGLWSGPLPGLTSHC
 SRLLLGFVTQGDF SMAAGCGEALGFVSMTGLLEMLSSQSAAMRGLVLLRPPTSLQYRFARITIEV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152894

ORF Size: 3138 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.

RefSeq: [NM_152894.2](#)

RefSeq Size: 3393 bp

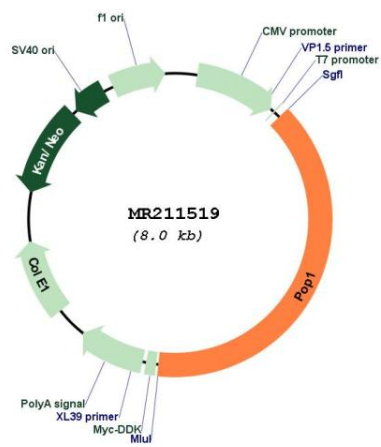
RefSeq ORF: 3138 bp

Locus ID: 67724

Cytogenetics: 15 B3.1

MW: 117.4 kDa

Product images:



Circular map for MR211519