

## Product datasheet for **RR204969**

### **Poli (NM\_001106137) Rat Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Poli (NM_001106137) Rat Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Poli                                     |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide  
Sequence:**

>RR204969 representing NM\_001106137  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGTGGAGCCGGAGGAGGAAGGCGCCCTCGGAGGAAGAAGACTTTTCTCGTGCCATGGAGCCCT  
 CGGACTCGGGGGCTGCGGGCGGCTCGCGGCAGTTTGCATCAAGGGGCACCATCACGAATCGTTTCGTC  
 CAGAGTCATAGTACATGTGGACCTGGATTGTTTTATGCCCAAGTAGAGATGATCTCCAATCCAGAATTA  
 AAGGACAAACCTTTAGGTGTGCAACAGAAATACTTGGTGGTACTTGCAACTATGAAGCCAGGAACTTG  
 GAGTGAAGAAGCTTATGAATGTCAGAGATGCAAAAAGAAAGTGCCTCAGCTCGCTCGTGAATGGAGA  
 AGACTTGAGCCGCTACCGGGAGATGTCCTATAAGGTACAGAAATGTTGGAGGAATTTAGTCCAGCTGTG  
 GAGAGGCTTGGATTTGATGAAAATTTGTGGATCTGACAGAAATGGTTGAGAAAAGACTGCAGCAGCTTC  
 CGAGTGACGAGGTTCCGTCAGTGACCATGTCCGGCCATGTTACAATAACCAAGTCTGTAACCTGCACAG  
 CAGCACGCATGTGAGACTTGCAGTTGGATCGCAGATTGCAGCAGAGATGCGGGAAGCCATGCATAACCA  
 CTGGGGCTCACAGGCTGCGCTGGCGTAGCGCTAATAAACTATTGGCAAAGTTAGTGTCTGGTGTTTTTA  
 AACCAATCAACAGACAGTCTTATTACCTGAGAGTTGTCAGCATCTCATTACAGTTTGAACCACATAAA  
 GGAAATGCCTGGTATCGGCTATAAAACCGCAAGCGTCTTGAAGTCTGGGAATCAATAGTGTGCATGAT  
 CTCCAGACCTTTCCAATCAAACCTTAGAAAAGGAATGGGAATTTCTGTTGCTCAGCGCATCCGGAAGC  
 TCAGCTTTGGAGAGGACAAGTCGCTGTAAACCCCTCAGGGCCACCACAGTCCTTTAGTGAAGAAGATAC  
 ATTTAAAAGTGTTCCTCAGAAGTGAAGCTAAAATAAGATTGAAGAATTAATTTCCAGCCTTTTAAAC  
 AGAGTATGCCATGATGGAAGGAAGCCCATACAATAAGATTAGTCATCCGTCGATACTCTGACAAACACT  
 GTAATCGAGAGAGTCGCCAGTGCCCAATCCCATCTCAGTCATTGAGAAGTTAGGGACAGGAAATATGA  
 TGCAGTCCCGCCCTGATGGAGATCCTTATGAACTTTTCCGAAATATGGTAAATGTGAAGATGGCCTTT  
 CACCTGACCTTCTGAGTGTGTCTTCTGCAACCTGAAAGCCCTGAACAGTGCTAAGAAAGGCCTATGG  
 ACTGCTTCTAACGTCGTCCTGTCAACAACCTGCTGCTGGCAAGCGGAGCTTTAAAGTGAAGGACAT  
 CCACATGGAGGACTCCTACAAGGAGAAAGAAGCAAACCTGGGATTGTCTCCAAGTAGAAGAATCGAAAGC  
 ACGAGAAGGGGGAGTCTCCATCGGATGCCACCTGCTTCTAAAGAAAAGGACACGAGTGACTTGCCAC  
 TCCAGTTCCTGCCAGAGGTTGACCAAGAAGTCTTACGCAGCTTCCAGCAGATATTCAAGAAGAAAT  
 CCTTTCTGGAAAATCTAGAGAAAATCTCAAGGGAAAGGAAGTTTGAAGTGTCCGTTACATGCCTCGAGA  
 GGAGTATTGTCTTTCTTCTACAAAGCAGACGCAGGCGGGCTGCTTAAGTCCCAGAGATACTCTGCTCA  
 CTGGCAAGCAGGCATCGGCTGTGTCTCCCTGTGAGCCGGGAACGTCGGGGTTGAGTACCAGTAGCTCCTC  
 CCATCCATCTGCGAAAAGGACTGCTCCTATTATGTAGATAATCAGTTAAGGACGAACGTATGAGTCAA  
 GGCCCTACAGAGTCTCAGGGATTCACCTTTTCCAATACGAACCCTGCTGTTTCCGTTTTTTCATTCTTTT  
 CAAATCTGCAGAGTGAACAGCTTTTCTCCACACCCGCACTGCAGACAGCCACAAGCAGACAGCCACCAC  
 CTCTCACCAGGGACTAGAAAACAGAGAGCAAGATTCTGCTGATGAAAAGCTTACTTTCCCATCGGACATT  
 GATCCTCAGGTTTTCTATGAGCTACCAGAAGAGGTCCAAAGAGAAGTATGGCCGAATGGAAGAGAGCTG  
 GGCAGAGTTCCTCTGTGCAAG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204969 representing NM\_001106137  
 Red=Cloning site Green=Tags(s)

```

MGVEPEEEGGPAEEEDFSRAMEPSDSGAAGGSRAVCDQGAPSRIASSRVIVHVDLDCFYAQVEMISNPEL
KDKPLGVQKYL VVTCN YEARKLGVKKLMNVRDAKEKCPQLVLVNGEDLSRYREMSYKVTELEEFSPAV
ERLGFDFENFVDL TEMVEKRLQQLPSDEVPSVTMSGHVYNNQSVNLHSSTHVRLAVGSQIAAEMREAMHNQ
LGLTGCAVAPNKLLAKLVSGVFKPNQQTVLLPESCQHLIHSLNHIKEMPGIGYKTAKRLEVLGINSVHD
LQTFPIKTLKELGISVAQRIRKLSFGEDKSPVTPSGPPQSFSEEDTFKKCSSEVEAKTIEELLSSLLN
RVCHDGRKPHTIRLVIRRYSDKHCRNRSRQCPIPSHVIQKLTGNYDAVPPLMEILMKLFRNMVNVKMAF
HLTLLSVCFCNLKALNSAKKGPMDCFLLTSSLSTTACSGKRSFKVKDIHMEDSYKEKEANWDCLPSRRIES
TRRGESPSDATCFPEKEDTSDLPLQFLPEGVDQEVFTQLPADIQEEILSGKSRENLQGGKSLSCPLHASR
GVL SFFSTKQTQAGCLSPRDTLLTGKQASAVSPCEPGTSGLSTSSSSHPSCGKDCSYVVDNQLKDERMSQ
GPTESQGFHF SNTNPAVS VFHSPNLQSEQLFSTHRTADSHKQTATTSHQGLNREQDSADEKLTFFPSDI
DPQV FYELPEEVQRELMAEWKRAGAEFPSVHK
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001106137

**ORF Size:** 2196 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\\_001106137.1](#), [NP\\_001099607.1](#)

**RefSeq Size:** 2360 bp

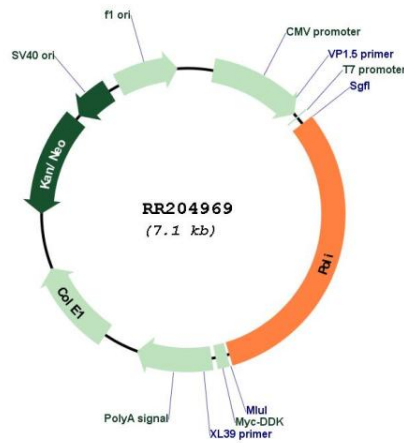
**RefSeq ORF:** 2199 bp

**Locus ID:** 291526

**Cytogenetics:** 18q12.1

**MW:** 81.2 kDa

**Product images:**



Circular map for RR204969