

## Product datasheet for **RR203448**

### Pogz (NM\_001107693) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pogz (NM\_001107693) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pogz  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203448 representing NM\_001107693  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCGGACACCGACCTTTTTATGGAATGTGAGGAGGAAGAAGTGGAGCCATGGCAGAAAATCAGTGATG  
 TCATTGAGGACTCTGTAGTTGAAGATTACAATTCAGTGGATAAAAATACTCCCGCTGGTAATACTTTGGT  
 CCAGCAAGGTGGACAACCACTCATCTTGACCCAAAATCCAACACCGGGTCTGGGAACAATGGTTACTCAA  
 CCAGTATTGAGACCTGTCCAGGTCATGCAGAATGCCAATCATGTGACTAGCTCCCCTGTGGCCTCACAAC  
 CTATCTTCATCACTACCCAGGATTCCCTGTAAGGAATGTTCCGCCCTGTACAGAATGCCATGAACAGGT  
 TGGGATCGTGCTGAATGTACAGCAAGGCCAAAACAGTCAGACCAATTACACTGGTCCCAGCCCCAGGTACA  
 CAGTTTGTAAAGCCGACAGTTGGCGTCCCACAAGTGTCTCTCAGATGACCCCGTGAGGCCAGGCTCCA  
 CAATGCCTGTGAGGCCACCACCAACACCTTTACCACCGTCATCCCAGCTACTCTCACCATCCGAAGCAC  
 TGTCCCACAGTCCCAGTCCCAGCAGACCAAGTCCACCCCGTACCTCCACTACTCCCATTGCCACACAG  
 CCAACCGCATTGGGCGAGCTAGCTGGTCAGCCTCCAGGCCAGCCCAACCAGACCTCGAATCCAAACTAG  
 CTCCTCCTTCCCCTCTCCACCTGCAGTGAGCATTGCCAGCTTTGTCACTGTGAAGCGACCTGGGTTAC  
 AGGTGAAAATAGCAACGAAGTGGCCAAGTTGGTGAATACTCTTAACACTATCCCTTCCCCTGGGCCAGAGT  
 CCTGGGCCAGTGGTGGTGTCCAACAACAGTTCTGCTCAAAGAACCAGTGGACCCGAATCTCAATGAAAG  
 TGACCTCTTCCATCCCAGTGTGGTACCTCCAGGACGGTGGACGGAAAATATGTCCACGGTGAATGCTCA  
 GTTCCGAGTTACTGAAGCTTTGAGAGGTCACATGTGTTACTGCTGCCCTGAAATGGTTGAGTACCAAAAAG  
 AAAGGCAAGTCCCTCGATGCGGAGCCCAGTGTCCCATCAGCAGCAAAGCCTGCATCCCCTGAGAAGACAG  
 CCCCAGTTACTTCCACACCCTCCTCTACACCAATTCCTGCTCTCTCACCTCCTACCAAAGTGCCAGAGCC  
 AAGTGAGAGTGGGGGAGACACTGTCCAGACCAAGCTTATTATGCTTGTGATGACTTTTACTACGGACGG  
 GATGGGGGCAAAGCAGCCAGCTAACTAGTTCCTTAAAGTTGCCAGTCTTTCCGATGCCCTCATTGTA  
 CTAAGAGGCTAAAGAACAACATTCGATTTCATGAACCACATGAAGCACCAGTGAAGACTTGATCAGCAGAA  
 TGGCGAGGTGGATGGTCATACTATCTGCCAACACTGTTACCGCCAGTTCTCCACCCTTTCCAGTCCAG  
 TGCCACTTGAAAATGTTTCATAGTCCCTATGAATCAACTACCAAGTGCAAGATCTGTGAGTGGGCTTTG  
 AAAGCGAGCCCTTGTCTCCAGCATATGAAAAGACACCCACAAGCCTGGAGAGATGCCTTATGTTTGTC  
 GGTGTGCAATATCGCTCCTCCCTACTCAGAGGTAGACGTCCATTTTCGGATGATCCATGAAGACT



[View online »](#)

CGGCATTTGCTCTGCCCGTATTGCCTAAAAAGTCTTCAAAAACGGCAATGCCTTCCAGCAGCACTACATGA  
GGCACCAGAAGAGAAATGTTTATCACTGCAACAAATGCCGGCTGCAGTTTCTCTTTGCCAAGGACAAAAT  
TGAACACAAGCTTCAGCACCATAAAACCTTCCGTAAGCCTAAGCAACTGGAAGGCTTGAACCAGGCACC  
AAGGTGACAATCCGGGCTTCCAGGGGGCAGCCACGAACTGTTCTGTGTCTTCAAATGATGCACCTTCTG  
GCGCTTTGAGGAGGCAGCACCCTGACCTCCGCTGACCCCTACCTGTCTTCTTTACCCTCCCGTCCA  
ACGCAATGTCCAGAAGAGAGCTGTGAGAAAATGAGCGTCATGGGCCGGCAGACGTGTCTGGAGTGCAGC  
TTTGAGATTCAGATTTCCCTAACCATTTCCCTACCTACGTGCACTGTTCTCTCTGTGCTATAGCACCT  
GCTGCTCTCGAGCTTATGCCAATCACATGATCAACAATCATGTTCCACGGAAGAGTCCCAAGTATCTGGC  
TTTGTTTTAAAAATTTTGAAGTGAATCAAGCTGGCCTGTACTTCTGTGTACCTTTGCTACCTCCGTGGGA  
GATGCCATGGCCAAGCATTTGGTGTTCACCCCTCCACAGATCTAGCAACATCTTACCAGGGGGCTCA  
GTTGGATGTTACTCGAGGCTTGGCCAGACTCCTGAACGAGTGTGGACCGGAGCATGAAGAATACGTA  
TCTTCCACCTCTCTCCCTAACAAAGCTGCCACTGTGAAGCCTGTAGGAGCCACCTCAGCAGAGCT  
CAGGAGCTGGCAGGTCTGTGCTCCAGGCACTTCCATCACCAGCCTCACTGCAACCCACCAGCAACCC  
CCTACTACCCACAGCCCTCTGCCCTGCCACCCTGGCCACAGAGGGGACTGAGTGTCTGAATGTCAATGA  
ACAGGAGGAGGAAGCCCTGTACCCAGGAGCCTGAACCAGCATCAGGTGCTGGAAGTGGTGGCAGTGGG  
GTTGGCAAAAAGAGCAGCTGTCTGTGAAGAAGCTTCGGGTAGTGTCTTTGCCCTGTGTGCAACACAG  
AGCAGGGCGGTGAACACTTCCGAAACCCAGCGGCAATTCCGCCGTTGGCTTCGACGCTTTCAGGCCTC  
TCAGGGAGAGAATTTAGAGGGCAAAATCTCAGCTTTGAGGCAGAAGAAAACTGGCTGAATGGGTGCTG  
ATCCAGAGAGAGCAGCAGCTCCCTGTAATGAAGAGACCTTGTTCAGAAGGCCACAAAATCGGACGCT  
CTTTGGAAGGGGGATTTAAGATCTCTATGAGTGGGCTGTGCGCTTATGCTCCGGCACCACCTCACTCC  
CCATGCCCGGCGAGCTGTAGCCACACGTTACCGAAGCATGTAGCAGAAAATGCTGGACTCTTATTGAG  
TTTGTGCAGCGGCAGATTCAACAACAAAGACTTACCTTTGTCTATGATTGTGGCTATCGATGAGATCTCT  
TGTTTCTGGACACAGAGGTGCTGAGCAGTGTGACCGGAAGGAGAACGCTCTGCAGACAGTGGGCACAGG  
GGAGCCTTGGTGTGACGTGCTGGCTATCCTAGCAGATGGCACTGTCTTCCCCACCCTGGTTTTCTTC  
CGAGGTCAAGCGAATCGGCTTGCTAATGTGCCAGACTCTATTTACTAGAGGCTAAAGACAGTGGCTATA  
GTGATGATGAAATCATGGAGCTTTGGTCCACCCGTGTGTGGAAGAAGCACACAGCTTGTGACACAGCAA  
AAGCATGCTGGTGTGACTGTGATCGCACTCACTTGTGAGAAGAGGTGCTGGCCCTGCTCAGTGCCTCT  
AGCACTTTGCCTGCGGTGGTCCCGCAGGCTGTAGCTCTAAAATCCAGCCACTAGACGTGTGATCAAAAC  
GAACTGTTAAGAACTTCTGCACAAAAAGTGAAGGAGCAGGCTCGGAAATGGCAGATGCTGCTTGTGA  
TTCTGATGCTTGTCTCAGCTGGTGTGGTCTGGCTGGGTGAGGTGCTGAGTGTGATTGGGGACTCCCCA  
GACCTAGTTACAGCGGCTCTTCTTGTGGCTAGTGTCTGCCAGGCCCTGATGGCAACGTTAACTCACCCA  
CAGCACAAGCTGATATGCAGGAGGAGCTATTGCCTCCCTCGAGGAGCAGCTAAAGCTAAATGGAGAACA  
GTCCGAGGAGCACTCAGCTTCTGCCCCCGACCCAGGTATCGCCTGAAGAGACAGTTGAGCCTGAAAGC  
CTTCATCAGCTTTTTGAGGGAGAAAAGTGAAGACAGAGTCTTTCTATGGCTTTGAGGAAGCTGACCTAGATC  
TGATGGAGATT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203448 representing NM\_001107693  
 Red=Cloning site Green=Tags(s)

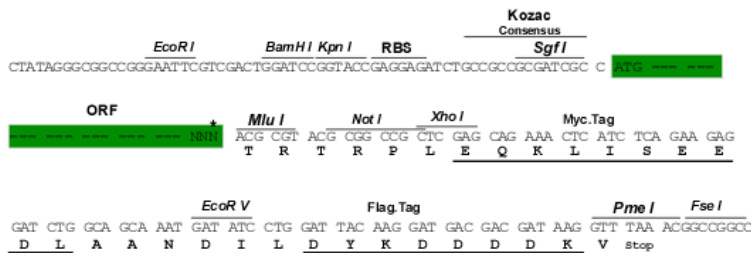
MADTDLFMECEEELEPWQKISDVIEDSVVEDYNSVDKTTTPAGNTLVQQGGQPLILTQNPTPLGLTMVTQ  
 PVLRPVQVMQANHVTSPPVASQPIFITTQGFVVRNRPVQAMNQVIGVLNVQQGTVRPITLVPAPGT  
 QFVKPTVGVQPQVFSQMPVVRPGSTMPVVRPTTNTFTVIPATLTIKSTVQSQSQTKSTPSTSTTPIATQ  
 PTALGQLAGPPGQPNQTSNPKLAPSFPSPPAVSIAFSVTVKRPVGTGENSNEVAKLVNTLNTIPLSGS  
 PGPVVVSNSSAQRSTSGPESSMKVTSIPVFDLQDGGRIKCPRCNAQFRVTEALRGHMCYCCPEMVEYQK  
 KGKSLDAEPSVPSAAKPASPEKTAPVTSTPSSTPIPALSPTKVPPESESAGDTVQTKLIMLVDDFYGR  
 DGGKAAQLTSFPKVATSFRCPHCKRKLKNNIRFMNHMKHHVELDQQNGEVDGHTICQHCYRQFSTPFQLQ  
 CHLENVHSPYESTTKCKICEWAFESEPLFLQHMKDTHKPGEMPYVCVQCYRSSLYSEVDVHFRMIHEDT  
 RHLLCPYCLVKFKNGNAFQQHYMRHQKRNVYHCNKRLQFLFAKDKIEHKLQHHKTRFKPKQLEGLKPGT  
 KVTIRASRGQPRTPVSSNDAPSGALQEAAPLTSADLPVFLYPPVQRNVQKRAVRKMSVMGRQTCLECS  
 FEIPDFPNHFPTVYVHCSLCRYSTCCSRAYANHMNNHVPKSPKYLALFKNFVSGIKLACTSCTFATSVG  
 DAMAKHLVFNPSHRSSNILPRGLSWMSYSRLGQTPERVLDRSMKNTYLPPLLPNKAATVKPVGATSAEP  
 QELAGPVLQALPSPASTATPPATPTHPQPSALPPLATEGTECLNVNEQEEGSPVTEPEPASGAGSGGSG  
 VGKKEQLSVKCLRVLVFLALCCNTEQAAEHFRNPQRRIRRWLRRFQASQGENLEGKYL SFEAEKLAEWL  
 IQREQQLPVNEETLFQKATKIGRSLEGGFKISYEWAVRFLRHHLTPHARRAVAHTLPKHVAENAGLFIE  
 FVQRQIHNQDLPLSMIVAIDEISLFLDTEVLSSDDRKENALQTVGTGEPWCDVLAAILADGTVLPTLVFF  
 RGQANRLANVPDSILLEAKDSGYSDDIMELWSTRVWKKHTACQHSKSMVMDCRTHLSEEVALLSAS  
 STLPAVVPAGCSSKIQLDVCIKRTVKNFLHKKWKEQAREMADAACDSVLLQLVLVWLGEVLSVIGDSP  
 DLVQRSFLVASVLPDPDGNVNSPTRNADMQEELIASLEEQKLKNGEQSEEHSASAPRPRSSPEETVEPES  
 LHQLFEGESETESFYGFEEADLDLMEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:  
 Cloning Scheme:

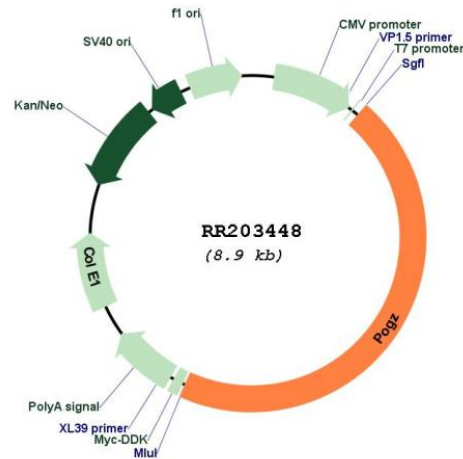
SgfI-MluI

Cloning sites used for ORF Shuttling:



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

## Plasmid Map:



ACCN: NM\_001107693

ORF Size: 4071 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\\_001107693.2](#)

RefSeq Size: 6063 bp

RefSeq ORF: 4074 bp

Locus ID: 310658

Cytogenetics: 2q34

MW: 149.9 kDa