

Product datasheet for **RR210165**

Pogk (NM_001107194) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pogk (NM_001107194) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pogk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210165 representing NM_001107194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTACAAACCTCGTCGCCGTTGCGGCGACCCCGCTCGCCGGAAATGGAGTCCCGAG
 CCTACCCTCTAAATTTGACCCTGAAAGAAGAGCAAAAAGAAGATGAGTTGAGATCCAGGAATTGGAGGA
 TGGTCCCGTAGAGATGCAGAAAGTGCAAATCTGCTCGGAAGGCACGTGGGTACCAGCCCTATTTGATGAG
 GTGGCCATATATTTTTCGGATGAGGAGTGGGAAGTTCTGACAGAGCAACAAAAGCCCTCTACCGGGAAG
 TCATGAGGATGAATTATGAGACTGTCTGTCCCTGGAATCCCATCCCCAAGCCAGATATGATCAATCG
 GTTGAAAGGGAAGAGGAGTGTCTGAATCTGATGAGTGGCGGCTCCAGGGAGTAACCTTTGCAGAAAAT
 GAAGAATCTGATTTAGGACTCCAGATTGGCCAAACCCGATGAATGCCACCTCCATTTCTCAACCTC
 AGCACTCAACAGCTTTGGGCTGCGTCTGCCGAGGACATCACTGAAGTCCCTGAGTGGAGTGGGGGTA
 CCCCTTCTATATGGCCATGGGCTCCCTGGGTATGACCTCTCAGCTGACGACTTGCCGAGCAAGTTTCAG
 TTCAGTCGCGGCATGCGCCGAGTTACGATGCGGGGTTCAAGCTGATGGTGGTGGAGCACGCTGAGAGTA
 CCAACAACGTGACAGGCTGCCAAGCAGTTCGGGGTGTGGAAAAGAATGTCGAGACTGGCGCAAAGTGAA
 GCCACAGCTCCAAAACGCCCATGCCATGCGCGGGGCAATCCGAGGCCCAAGAATGGAAGATTTGCTCTG
 GTAGACCAGCGGGTGGCTGAGTATGTCAGATACATGCAGGCCAAAGGGGACCCCATCACCAGGGAGGCAA
 TGCAGTTGAAAGCTTTGAAATCGCCAGGAAATGAACATCCAGAGAAAGGGTTCAAGGCAAGTCTGGG
 CTGGTGTGCGGAGGATGATGAGAAGTATGACCTATCCCTGAGGCATAAAGTCCAGTTCCTCAGCACCTG
 GCCGAGGACCTGACTGAGAAGCTCGTCACTTACCAGCAGAGTGTGCTTGTCTGCGCCGGACACAGACT
 ATGAGGTGGCACAGATGGGCAATGCAGATGAAACACCCATCTGCTTAGAAGTGCCCTCTAGAGTCACTGT
 TGACAACCAGGGTGAAGGCCATCCTGGTCAAAGACACCAGGCAGGAGAACTGAGGATCACAGCCATG
 CTGGGGTCTTGCTGATGGGAGGAAGTTACCACCATACATCTTGAGGGGGACATATATCCCCCTG
 GGAAGTTCCAGTGGCATGGAATCCGCTGCCACCGCTATGGATGGATGACTGAGGACTTGATGCAAGA
 CTGTTGGAAAGTTGTGTGGAGACGGAGAAGTGGAGCTGTACCCAAACAACGAGGGATGCTGATCCTGAAT
 GGCTTCCGGTCCCATGCCACCGACTCTGTGAAGACTTCCATGGAGAGTATGAACACAGACATGGTGATTA
 TCCCGGGGGCTGACCTCCCAGCTGCAGGTGCTGGATGTGGTTGTCTACAAGCCACTGAATGACAGTGT
 TCGGGCCAGTATCCAAGTGGCTTCTGGCTGGGAACCTGGCACTGAGCCCCACTGGAATGCTAAGAAG
 CCACCGCTGGGCCTTCTCTGGAGTGGATCATGGTTGCGTGGAAATAGTATCTCAAGTGAATCAATGTCC
 AGGGGTTCAAGAAAGTCCACATCTCTAGCAACTTAGAGGAAGAAGGTGATGTCCTCTGGAAATCGAGGG
 CGAGTTGCCAAAGAACGTGGTCATGAAGGTGTGGCTGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210165 representing NM_001107194
 Red=Cloning site Green=Tags(s)

MPGHNRRRLRRRHPLGREMESRAYPLNLTLEEKQKEDVEIQELEDGPVEMQKVQICSEGTWVPALFDE
 VAIYFSDEEWEVLTEQQKALYREVMRMNYETVLSLEFPFKPDMINRLEREECPESDEWRLQGVTFAEN
 EESDFRTPDWANPMNATSHFPQPHFNSFGLRLPQDITELPEWSEGYPFYAMMGFPYDL SADDLASKFQ
 FSRGMRRSYDAGFKLMVVEHAESTNNCQAAKQFVLEKNVRDWRKVKPQLQNAHAMRRFRGPKNGRFAL
 VDQRVAEYVRYMQAKGDPITREAMQLKALEIAQEMNIPEKGFKASLGWCRMRMRYDLSLRHKVVPVQHL
 AEDLTEKLVTYQQSVLALRRTHDYEAQMGNADETPICLEVPSRVTVDNQGEKPILVKTPGREKLRITAM
 LGVLADGRKLPYIILRGTYIPPGKFPSPGMEIRCHRYGWMTEDLMDQDWLEVVWRRRTGAVPKQRGMLILN
 GFRCHATDSVKTSMESMNTDMVIIPGGLTSQLQVLDVVVYKPLNDSVRAQYSNWLLAGNLALSPTGNNAK
 PPLGLFLEWIMVAWNSISSESIYVQGRKCHISSNLEEGDVLWEIEGELPKERGHGVAEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

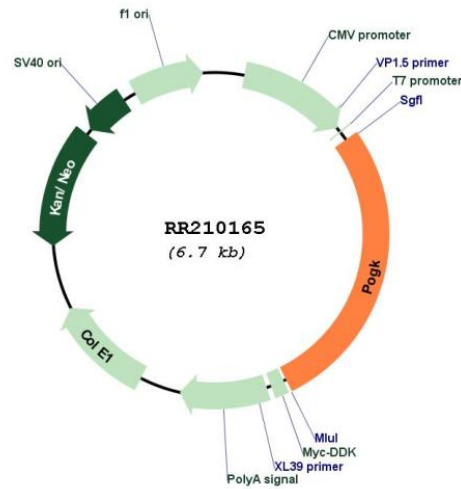
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001107194

ORF Size: 1866 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:	<ol style="list-style-type: none"> 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:	<u>NM_001107194.2, NP_001100664.2</u>
RefSeq Size:	6927 bp
RefSeq ORF:	1869 bp
Locus ID:	304941
Cytogenetics:	13q23
MW:	71.7 kDa