

## Product datasheet for **RR206609**

### **Pigc (NM\_001012207) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pigc (NM\_001012207) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pigc  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206609 representing NM\_001012207  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTGCTCAACATGTAGCGGACACCTCCGAAGTCAAGTGGCAGAAGGTTTTATATAGCGGCAGCCAT  
TCCCTGATAACTATGTTGACCAAAGGTTCTGGAGGAGCTCCGAAAAACATCTATGCCCGAAATACCA  
ATACTGGGCTGTGGTATTTGAGTCCAGTGTGGTGATAACAACAGTGTGCAGTGTCTGTCTTTGTAGTC  
ATTTGGTGGTACATGGACGAGGGTCTTCTGGCTCCCAGTGGCTTTTGGGACTGGACTGGCATCGTCCT  
TGTTGGGTATGTGTTATTTGATCTTATTGATGGAGGTGATGGACGGAAGAAGAGTGGGCGGACCCGGTG  
GGCCGACCTGAAGAGTACTCTGGTCTTCACTTTACAGTACGGTTTCTCACCAGTGCTAAAGACCCTG  
ACAGAGTCCGTCAGTACGGACACCATCTACGCCATGTCCGTTTTATGCTGTTAGGCCATCTCATCTTCT  
TTGATTACGGTGCCAATGCTGCTATTGTATCTAGCACACTGCTTGAATATGGCCATCTTTGCTTCTGT  
TTGCCTGGCCTCACGCCTCCCCGGTCACTACATGCCTTCATCATGGTGACATTTGCCATCCAGATCTTT  
GCACTGTGGCCCATGTTACAGAAGAACTGAAGGCGTATACCCAAGAAGCTATGTCGGGGTCAACCCTGC  
TTTTTGCCTTTTCACTTTTGGAGGTCTTTTGTCCATTAGTGGTGTGGGAGCCATACTCTTTGCTCTTCT  
GCTGTTTTCCATTTCTGCTCTGCCCTTACTATCTCATTACCTGCAGCTTTTTAAGGAAAATATTCAT  
GGGCTTGGGATGAGGCAGAAATCAAGGAAGACTTGCCAGGTTCCCTTAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206609 representing NM\_001012207  
 Red=Cloning site Green=Tags(s)

MCAQHVADTSEVKWQKVLIERQPFPDNYVDQRFLEELRKNYARKYQYWAVVFESSVVIQQLCSVCVFV  
 IWWYMDEGLLAPQWLFGTGLASSLVGYVLFDLIDGGDGRKKSGRTRWADLKSTLVFITFTYGFSPVLKTL  
 TESVSTDTIYAMSVFMLLGHLIFFDYGANAAIVSSTLSLNMAIFASVCLASRLPRSLHAFIMVTFAIQIF  
 ALWPMLQKCLKAYTPRSYVGVTLFFAFSAFGGLLSISGVGAILFALLFSISCLCPYYLIHLQLFKENIH  
 GPWDEAEIKEDLSRFLS

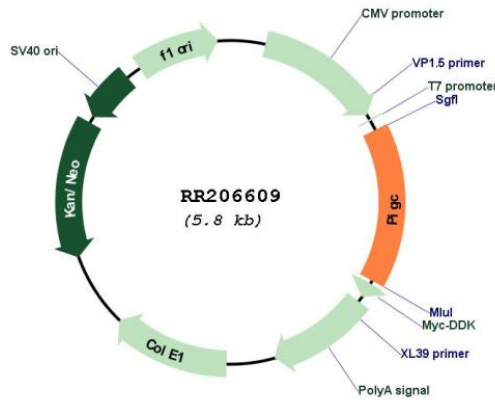
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001012207

<b>ORF Size:</b>	891 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001012207.1</a> , <a href="#">NP_001012207.1</a>
<b>RefSeq Size:</b>	1446 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	364032
<b>UniProt ID:</b>	<a href="#">Q5PQQ4</a>
<b>Cytogenetics:</b>	13q22
<b>MW:</b>	33.7 kDa
<b>Gene Summary:</b>	Involved in GPI anchor biosynthesis. Part of the complex catalyzing the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol, the first step of GPI biosynthesis.[UniProtKB/Swiss-Prot Function]