

## Product datasheet for MR204128

### Pigc (NM\_001039045) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pigc (NM_001039045) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigc
Synonyms:	3110030E07Rik; AW212108
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204128 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTGCTCAACGTGTAACAGACACCCAGAAGTCAAGTGGCAGAAGGTTTTATATGAGCGGCAGCCGT  
TCCCTGATAACTATGTTGACCAGAGGTTCTGGAAGAACTCCGGAAAAACATCTATGCCCGGAAGTACCA  
GTACTGGGCTGTGGTATTTGAGTCCAGTGTGGTGATACAGCAGCTGTGCAGTGTCTGTGTTTTGTAGTG  
ATCTGGTGGTACATGGATGAGGGTCTTCTGGCTCCCCAGTGGCTTTTTGGGACCGGACTGGCATCTTCT  
TGTTGGGTATGTTTTATTCGATCTTATCGATGGAGGTGATGGACGGAAGAAGAGTGGGCGGACCCGGTG  
GGCCGACCTGAAGAGTACTCTGGTCTTTATCACTTTCACCTTTTACCTGTGCTAAAGACCCTG  
ACGGAGTCTGTCAGTACAGACACTATCTACGCCATGGCAGTCTTTATGCTGTTAGCCATCTCATCTTCT  
TTGATTACGGTGCCAATGCTGCTATTGTATCCAGCACCTGTCCTTGAACATGGCCATCTTTGCTTCTGT  
TTGCCCTGGCCTCACGCCTCCCCGGTCACTCCACGCCTTATTGTTGGTGACGTTTGTATCCAGATCTTT  
GCACTGTGGCCATGTTACAGAAGAACTGAAGGCGTACACCCCGGAAGCTATGTAGGGGTCACTTTGC  
TTTTGCCTTTTCTGCCTTTGGAGGTCTTCTGTCCATTAGTGTGTGGGAGCCATACTCTTTGCTCTCCT  
GCTGTTTTCCATCTCCTGTCTCTGCCCTTACTACCTCATTATCTGCAGCTTTTTAAGGAAAATATTCAC  
GGCCCTTGGGATGAAGCTGAAATCAAGGAAGACTTGTCTAGGTTTCCTTAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204128 protein sequence  
Red=Cloning site Green=Tags(s)

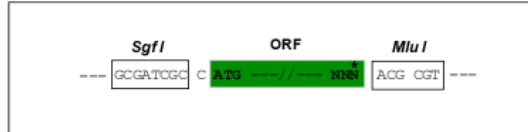
MCAQRVTDTPEVKWKVLYERQPFDPNYVDQRFLEELRKNYARKYQYWAVVFESSVVIQQLCSVCVFVW  
 IWWWMEGLLAPQWLFGTGLASSLVGYVLFDLIDGGDRKKSGRTRWADLKSTLVFITFTYGFSPVLKTL  
 TESVSTDTIYAMAVFMLLGHLIFFDYGANAAIVSSTLSLNMAIFASVCLASRLPRSLHAFIMVTFAIQIF  
 ALWPMLQKLLKAYTPRSYVGVTLFFAFSAFGGLLSISAVGAILFALLFSISCLCPYYLIHLQLFKENIH  
 GPWDEAEIKEDLSRFLS

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\_001039045

**ORF Size:** 894 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\\_001039045.1](#), [NP\\_001034134.1](#)

**RefSeq Size:** 3288 bp

**RefSeq ORF:** 894 bp

**Locus ID:** 67292

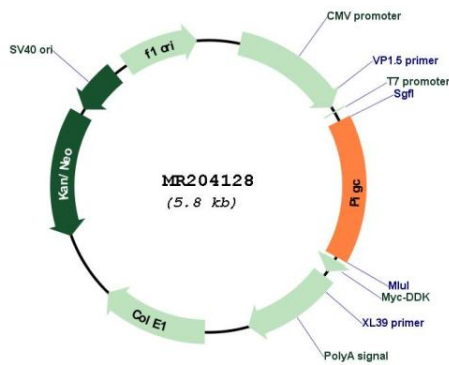
**UniProt ID:** [Q9CXR4](#)

**Cytogenetics:** 1 H2.1

**MW:** 33.7 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR204128