

## Product datasheet for **RC200611**

### PIGC (NM\_153747) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGC (NM_153747) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PIGC
Synonyms:	GPI2; GPIBD16; MRT62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200611 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATGCTCAACCTGTGACTAACACCAAGGAGGTCAAGTGGCAGAAGGTCTTGTATGAGCGACAGCCCT  
TTCCTGATAACTATGTGGACCGGCGATTCTGGAAGAGCTCCGGAAAAACATCCATGCTCGGAAATACCA  
ATATTGGGCTGTGGTATTTGAGTCCAGTGTGGTATCCAGCAGCTGTGCAGTGTGGTGTGGTGTGGT  
ATCTGGTGGTATATGGATGAGGGTCTTCTGGCCCCCATTGGCTTTTAGGGACTGGTCTGGCTTCTTCAC  
TGATTGGGTATGTTTTGTTGATCTCATTGATGGAGGTGAAGGGCGGAAGAAGAGTGGGCAGACCCGGTG  
GGCTGACCTGAAGAGTGCCTAGTCTTCACTTCACTTATGGGTTTTACCAGTGTGAAGACCCTT  
ACAGAGTCTGTCAGCACTGACACCATCTATGCCATGTCAGTCTTCATGCTGTTAGGCCATCTCATCTTTT  
TTGACTATGGTGCCAATGCTGCCATTGTATCCAGCACACTATCCTTGAACATGGCCATCTTTGCTTCTGT  
ATGCTTGGCATCACGTCTTCCCCGGTCCCTGCATGCCTTCATCATGGTGACATTTGCCATTGAGATTTT  
GCCCTGTGGCCATGTTGCAGAAGAACTAAAGGCATGTACTCCCCGGAGCTATGTGGGGTGCACACTGC  
TTTTTGCATTTTCAGCCGTGGGAGGCCTACTGTCCATTAGTGTGTGGGAGCCGACTCTTTGCCCTTCT  
GCTGATGTCTATCTCATGTCTGTGTCCATTCTACCTCATTGCTTGCAGCTTTTTAAAGAAAACATTCAT  
GGCCCTTGGGATGAAGCTGAAATCAAGGAAGACTTGTCCAGTTCTCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200611 protein sequence  
Red=Cloning site Green=Tags(s)

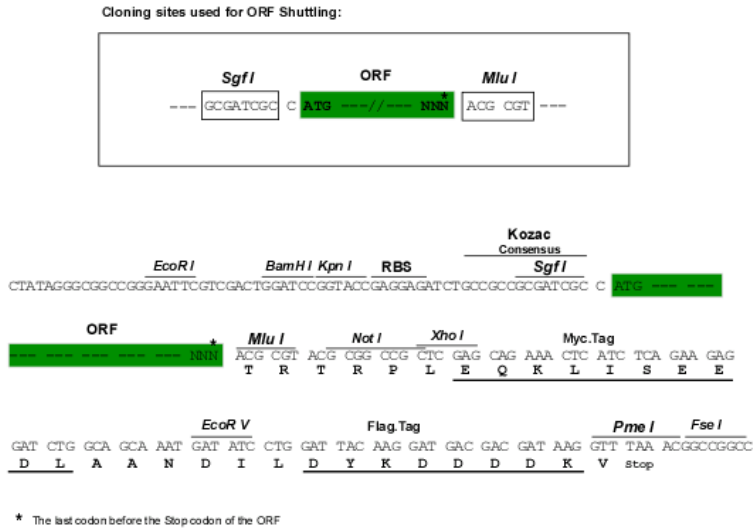
MYAQPVTNTKEVKWQKVLIERQPFDPNYVDRRFLEELRKNIHARKYQYWAVVFESSVVIQQLCSVCVFV  
 IWWYMDEGLLAPHWLLGTGLASSLIGYVFLDLIDGEGRRKSGQTRWADLKSAVFITFTYGFSPVLKTL  
 TESVSTDTIYAMSVFMLLGHLIFFDYGANAAIVSSTLSLNMAIFASVCLASRLPRSLHAFIMVTFAIQIF  
 ALWPMLQKLLKACTPRSYVGVTLFFAFSAVGGLLSISAVGAFLFALLMSISCLCPFYLIRLQLFKENIH  
 GPWDEAEIKEDLSRFLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6417\\_d10.zip](https://cdn.origene.com/chromatograms/mk6417_d10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153747

**ORF Size:** 891 bp

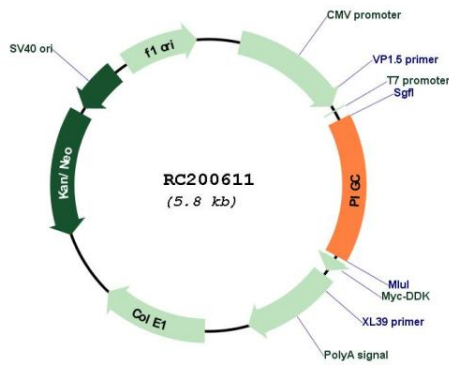
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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.

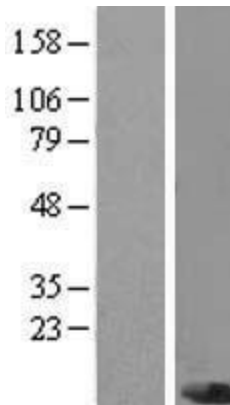
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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_153747.2</a>
<b>RefSeq Size:</b>	1514 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	5279
<b>UniProt ID:</b>	<a href="#">Q92535</a>
<b>Cytogenetics:</b>	1q24.3
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<b>MW:</b>	33.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes an endoplasmic reticulum associated protein that is involved in glycosylphosphatidylinositol (GPI) lipid anchor biosynthesis. The GPI lipid anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. The encoded protein is one subunit of the GPI N-acetylglucosaminyl (GlcNAc) transferase that transfers GlcNAc to phosphatidylinositol (PI) on the cytoplasmic side of the endoplasmic reticulum. Two alternatively spliced transcripts that encode the same protein have been found for this gene. A pseudogene on chromosome 11 has also been characterized. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC200611



Western blot validation of overexpression lysate (Cat# [LY419195]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC219892] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).