

Product datasheet for **SC111666**

PIGC (NM_002642) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGC (NM_002642) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGC
Synonyms:	GPI2; GPIBD16; MRT62
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111666 sequence for NM_002642 edited (data generated by NextGen Sequencing)

```
ATGTATGCTCAACCTGTGACTAACACCAAGGAGGTCAAGTGGCAGAAGGTCTTGTATGAG
CGACAGCCCTTTCTGATAACTATGTGGACCGGCGATTCTGGAAGAGCTCCGGAAAAAC
ATCCATGCTCGGAAATACCAATATTGGGCTGTGGTATTTGAGTCCAGTGTGGTATCCAG
CAGCTGTGCAGTGTGTTGTTTTGTGGTTATCTGGTGGTATATGGATGAGGGTCTTCTG
GCCCCCATTGGCTTTTAGGGACTGGCCTGGCTTCTTCACTGATTGGGTATGTTTTGTTT
GATCTCATTGATGGAGGTGAAGGCGGAAGAAGAGTGGGCAGACCCGGTGGGCTGACCTG
AAGAGTGCCTAGTCTTCATTACTTTCACTTATGGGTTTTACCAGTGTGAAGACCCTT
ACAGAGTCTGTCAGCACTGACACCATCTATGCCATGTCAGTCTTCATGCTGTTAGGCCAT
CTCATCTTTTTGACTATGGTGCCAATGCTGCCATTGTATCCAGCACACTATCCTTGAAC
ATGGCCATCTTTGCTTCTGTATGCTTGGCATCAGTCTTCCCGGTCCCTGCATGCCTTC
ATCATGGTGACATTTGCCATTAGATTTTTGCCCTGTGGCCCATGTTGCAGAAGAACTA
AAGGCATGTAATCCCGGAGCTATGTGGGGTCACTGCTTTTTGCATTTTCAGCCGTG
GGAGGCCACTGTCCATTAGTGTGTGGGAGCCGTAATCTTTGCCCTTCTGCTGATGTCT
ATCTCATGTCTGTGTCATTCTACCTCATTGCTTGCAGCTTTTTAAAGAAAACATTCAT
GGGCCTTGGGATGAAGCTGAAATCAAGGAAGACTTGTCCAGGTTCTCAGTTAA
```

Clone variation with respect to NM_002642.3
267 t=>c



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002642 unedited
 GTTCAGGATTNTGAATACGACTTACTATAGGCGGCCCGCAATTCGCACGAGGCCTGGCT
 CTGCTCTGTTACCTTAGGGCAAAGTTACTTAAGCATCTTGAATCTCAGCTTTTTTACCAC
 AGCAGGACTAATACTAACTTACAAGGTGGTGAGGATTAAGTGAAGAAGATACATAAGGC
 ACTTAGCAGATAGTAGGTAACAATAAGCGATAGCTAACAGATGTCTATTATTATTCAAG
 GAATTATAATTTTCAAATCTGAAATGCAGTTTTAATGTCCATAAGGTGACTACCACATA
 CATTTTTCTCAGACTTTTAGTAAACTGAGTTGATTTGACTTTATCTCAGTACTACTCTTG
 ACCTTTCACAACCTTCGTAGGTTACAGTCTCTCTTTTTCTAGGAACTTGCTGTGTTGT
 CCTGCCTCAGAGACAAATTCATCTATTGTAGGCCTAGCCCTGCCTTTGAAAACAAGGAA
 AGGTTGGTAGAACATCAACACAGCATGGAATTTCCAGGGAGGTCTCATTTCAAAACCTTCA
 TAAAGAACAAGAACCACACCGGACTTCTGTGAGGGCGATGATTAACCTGGCCTGAGTTTG
 AATGAAAGGATAATGTATGCTCAACCTGTGACTAACACCAAGGAGGTCAAGTGGCAGAAG
 GTCTTGATGAGCGACAGCCCTTCTGATAACTATGTGGACCGGCGACTCCTGGAAGAG
 CTCGGNAAAACATCCATGCTCGNAAATACCAATATTGNGCTGTGGTATTTGAGTCCAGT
 GTGGTGATCCAGCAGCTGTGCAGTGTGCTTTGTGGTTATCTGGTGTATATGGAT
 GAAGGTCTTCTGCCCCATTGCCTTTTAGGACTGCCCTGGCTTCTCACTGATTGGGAT
 GCTTTGTTTGACTCATGAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002642 unedited
 GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TT
 CATTACTTTTTTTGTTACAGCATGTAATTA AAAAGGGCCCAAAAAGTTTTTTTCATTAC
 AAAATAACAAAAAGGTAAGCCCTTACCACCAAGCCTTTGGGTCAATTTTTTTGGGT
 TTGAACTTATTTTTTTACCAAAAAGACATGCTGCTTCCAAAAAGGAACTCTGGCTTTAA
 GTTCTATACTAATTAGGAGGTAATCTATCAACTTGGTTTAAAAATGGAAGGGGGGCCCT
 AATTTAACGGAGGAACCTGGACAAGTCTTCTTGATTTAACTTCATCCCAAGGCCCATG
 AATGTTTTTTTTAAAAAGCTGCAAGCGAATGAGGGAAAAATGAACCCCACTGAAATAAA
 CCTCCCAAAAAGGGCAAAAAGTCCGGGTCCACAGCACTAAAGGACAATAGGCCCCAC
 GGGTGAATGCAAAAAGCAGGGGACCCCACTAACTCCGGGGAGAACATGCCTTTAT
 TTTCTTTGGAAAATGGCCACAGGGGAAAAATTTGAATGGCAATGTCACCTTATAAA
 GGCTGCAGGGACCGGGGAAAACAGATGCCAACCTACAAAAACCAAAATGGCCTGGT
 AAAAGGAAGGGTGGAAACATGGCAACATTGGCCCTATTCAAAAAAATAGAAAAGCC
 TAACCCCTGAAAACCGACTGGCTATAAAGGTGCAAAGCCGACAACTCTGTAAGGGTC
 TTACCCTCGGAAAACCTAAGGAAAGTTGAAAACCTGGCCTTTCAAGTGACACAACGG
 TTGTGCCATTCTTTTCGCCCTCTCCCTTATGGAAACAACAATATCCCACTGGAAA
 AGCG

Restriction Sites:

NotI-NotI

ACCN:

NM_002642

Insert Size:

1840 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	NM_002642.3 , NP_002633.1
RefSeq Size:	1537 bp
RefSeq ORF:	894 bp
Locus ID:	5279
UniProt ID:	Q92535
Cytogenetics:	1q24.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	<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> <p>Transcript Variant: This variant (2) uses a different splice site in the 5' UTR when compared to variant 1. Variants 1 and 2 encode the same protein.</p>