

## Product datasheet for SC320859

### PIGC (NM\_153747) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGC (NM_153747) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGC
Synonyms:	GPI2; GPIBD16; MRT62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_153747.1  
 GCCCCGGCGCCCGAAGCGGGAAAAAGGCTGGGTGCCCGCTCCCCAGCTGCGCAACCC  
 TAGGAACCTCTCGGAACCTGGCTGTGTTGCTCCTGCCTCAGAGACAAATTCATCTATTGTA  
 GGCTAGCCCTGCCTTTGAAAACAAGGAAAGGTTGGTAGAACATCAACACAGCATGGAA  
 TTTCCAGGGAGGTCTCATTTCAAAACTTCATAAAGAACAAGAACCACCTGGACTTCTGTG  
 AGGGCGATGATTAAACTGGCCTGAGTTTGAATGAAAGGATAATGTATGCTCAACCTGTGA  
 CTAACACCAAGGAGGTCAAGTGGCAGAAGGTCTTGTATGAGCGACAGCCCTTTCTGATA  
 ACTATGTGGACCGCGATTCTTGGAAAGAGCTCCGGAAAAACATCCATGCTCGGAAATACC  
 AATATTGGGCTGTGGTATTTGAGTCCAGTGTGGTATCCAGCAGCTGTGCAGTGTGTTGTG  
 TTTTTGTGGTTATCTGGTGGTATATGGATGAGGGTCTTCTGGCCCCCATTGGCTTTTAG  
 GGACTGGTCTGGCTTCTCACTGATTGGGTATGTTTTGTTGATCTCATTGATGGAGGTG  
 AAGGGCGAAGAAGAGTGGGCAGACCCGGTGGGCTGACCTGAAGAGTGCCCTAGTCTTCA  
 TTACTTTCACTTATGGGTTTTACCAAGTCTGAAGACCCTTACAGAGTCTGTCAGCACTG  
 ACACCATCTATGCCATGTCAGTCTTCATGCTGTTAGGCCATCTCATCTTTTTTACTATG  
 GTGCCAATGCTGCCATTGTATCCAGCACACTATCCTTGAACATGGCCATCTTTGCTTCTG  
 TATGCTTGGCATCACGCTTCCCCGGTCCCTGCATGCCTTCATCATGGTGACATTTGCCA  
 TTCAGATTTTTGCCCTGTGGCCATGTTGCAGAAGAACTAAAGGCATGTAATCCCCGGA  
 GCTATGTGGGGTCACTGCTTTTTGCATTTTCAGCCGTGGGAGGCCTACTGTCCATTA  
 GTGCTGTGGGAGCCGTACTCTTTGCCCTTCTGCTGATGTCTATCTCATGTCTGTGTCAT  
 TCTACCTCATTGCTTGCAGCTTTTTAAAGAAAACATTCATGGGCCTTGGGATGAAGCTG  
 AAATCAAGGAAGACTTGTCCAGGTTCTCAGTTAAATTAGGACATCCATTACATTATTA  
 AGCAAGCTGATAGATTAGCCTCCTAACTAGTATAGAACTAAAGACAGAGTTCCATTCTG  
 GAAGCAGCATGTCATTGTGGTAAGAGAATAGAGATCAAAACCAAAAAAAAAATGAACCAAAG  
 GCTTGGGTGGTGGGCTTATCCTTTCTGTTATTTGTAGATGAAAAAACTTTCTGGG  
 GACCTCTGAATTACATGCTGTAACATATGAAGTATGTGGTTTCTATTAATAAAAAATAAC  
 ACATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_153747
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_153747.1</a></u> , <u><a href="#">NP_714969.1</a></u>
<b>RefSeq Size:</b>	1514 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	5279
<b>UniProt ID:</b>	<u><a href="#">Q92535</a></u>
<b>Cytogenetics:</b>	1q24.3
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<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> <p>Transcript Variant: This variant (1) is the predominant transcript. Variants 1 and 2 encode the same protein.</p>