

Product datasheet for **SC123688**

PIGQ (BC010094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGQ (BC010094) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGQ
Synonyms:	c407A10.1; GPI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for BC010094 edited
GGCACGAGGCCCGCCGCCGAGCGCGCGGCCCGGAAGCACCCGCCTCCCGGCATGGTGC
TCAAGGCCTTCTTCCCCACGTGCTGCGTCTCGGCGGACAGCGGGCTGCTGGTGGGACGGT
GGGTGCCGGAGCAGAGCAGCGCCGTGGTCTGGCGGTCTGCACTTCCCTTCATCCCCA
TCCAGGTCAAGCAGCTCCTGGCCAGGTGCGGCAGGCCAGCCAGGTGGGCGTGGCCGTGC
TGGGCACCTGGTCCACTGCCGGCAGGAGCCCGAGGAGAGCCTGGGCCGTTCTCGGAGA
GCCTGGGTGCTGCTTCCCCATGAGCCCTGGCTGCGGCTGTGCCGGGAGAGAGGCGGCA
CGTTCTGAGACTGCGAGGCCACCCACCGCAAGCGCCACTGCCCCCGGTGCCCTGGTG
AGGACCAGGTCATGCTCATCTTCTATGACCAGCGCCAGGTGTTGCTGTCACAGCTACACC
TGCCACCGTCTGCCGACCGCCAGGCTGGAGCCACCACTGCCAGCACGGGGGGCTGG
CTGCCGCTTCGACACGGTAGCACGCAGTGAGGTGCTTCCGCACTGACCGCTTTGATG
AGGGCCCCGTGCGGCTGAGCCACTGGCAGTCGGAGGGCGTGGAGGCCAGCATCTCGCGG
AGCTGGCCAGGCGAGCCTCGGGACCCATTTGTCTGCTGTTGGCCAGCCTGCTGTCGCTGG
TCTCAGCTGTCAGTGCCTGCCGAGTGTCAAGCTCTGGCCCTGTCTTCTCGGGAGCA
AACTCTCCACGTGCGAACAGCTCCGGCACCGGCTGGAGCACCTCACGCTAATCTTCAGTA
CACGGAAGGCGGAGAACCCTGCCAGCTGATGAGGTGTGGGCCTGCCCTGGTCTCTGCAG
GGTGGGTGCGTGCCTCTGGCCCTTCTCCATCCCCCTCTGCACCACGCTGACCCCTCC
GGCCAGGCAGGCCTCCTCCTGCGGCCCCAGGCTGTGCTGGCCACCCTCATGCCGGCCGGG
CCGGACCTCCCTTCCAGGAAGGCCAACACGGTGGCCTCTGTGCTGCTGGACGTGGCCCTG
GGCCTCATGCTGCTGCTGGCTCCACGGGAGAAGCCGCATCGGGCATCTGGCCGACGCC
CTCGTTCTGTGGCTGACGTGAGTGGACTGGGGTGGAGCCCGGTGCCCGGTGGGCGTG
GGGACCCCTCCTGGGCAGCAGAGCCTTCCCGGGCCAGAGCCACCGCCCCCAAAGCCAGT
TCTACCTTCCATGCTCTGGAGACACGGCCCTCCCTGAACCAGAAGCAGGAACCTCCAG
GGGCGCTGGGGCCTGGGAGGGCAGGCCCTCGCAGGTACACCCCTTTCTTCTGAAGGG
GCTGTGTGAGGAGCCAGCCGGGCTGAGGCTCTGGGGAGCCCGCTCTCCCTGTGGGCC
AGCGTCTGGTATCTCCCTTGTGGTCCCTGAGATCAGCGTTGCCCTCCTGGCTCTCTGGG
GCCCTCTGCAGAGCCAGGGTCATGAAACCTTCTGTCCAGGGAGGCCCATGTGCAGCCC
AGCTGGGACTTCCCTGCCCTGCCCTGTGCTGATTCTGTAACCTCTGTGCTGAGAGCCAGA
GGCACAGCTTGTCTCCATCTCCACCTTCCCTGCATGGTCTGTGCCCGTTTCCAGCCG
GGTGCAGCCCCCTCCTCTGCAGATCTAGTGCATTTCCATGCTGCCTCTGGGCCTTACGCT
TCTCTGTCTTCTCCCTCAGCACCAAGCCCCGTCTTCCATTAGGAGCTTGTCTTCT
GCTGGGGTGGTACCTGACTCTTTGGCCACCCTCGGGCCTCTGTGGAGGCCTCCTTGAG
GCCTGACTGGGTGGTCTTGTGTGGGCTGCAGGTGTGCACTGGGCCTGCTTGTGGCCAGG
CCAGGCCTCTGGGGGCAGCATCAGGCACGTCTGTGTGGCTGTGGGGGTGCAGGGAGCTCC
AGCCCAGAAGGAAGGAGGGGCGGGGCTGGGGAAGGGGCTCGGCAGCTTTGCCCTGTGGTGC
TCCGCACCTGCCACCGCCTACTTTGCTTAGACCTCCCTTTTGCAAAAGTGCTCAGAAA
TATAAATATTTAATTTAAAAAAAAAAAAAAAAAAAAA
```

5' Read Nucleotide Sequence:	>OriGene 5' read for BC010094 unedited TTAAAAAGCAATTGCGGGTTTTGTNCCCCGCTCCACTATAGGCGGCACGCGAATTCGCAC GAGGCCCGCCCGCCGTGCGCGCGGCCCGGTAGCACCCGCTCCCGGCATGGTGTCAAG GCCTTCTTCCCCACGTGCTGCGTCTCGGCGGACAGCGGGCTGCTGGTGGGACGGTGGTG CCGGAGCAGAGCAGCGCCGTGGTCTGGCGGTCTGCACCTTCCCTTCATCCCCATCCAG GTCAAGCAGCTCCTGGCCATGTGCGGCAGGCCAGCCAGGTGGGCGTGGCCGTGCTGGGC ACCTGGTGCCACTGCGCGCAGGAGCCCGAGGAGAGCCTGGGCCGCTTCTGGAGAGCCTG GGTGTGTCTTCCCCATGAGCCCTGGCTGCGGCTGTGCCGGGAGAGAGCGGCACGTTT TGGAGCTGCGAGGCCACCCACCGCAAGCGCCACTGCCCGCGGTGCCCTGGTGGAGAC CAGGTCATGCTCATCTTCTATGACCAGCGCCAGGTGTTGTGTGCACAGCTACACCTGCC ACCGTCTGCCCGACCGCCAGGCTGGAGCCACCACTGCCAGCACGGGGGCTGGCTGCC GTCTTCGACACGGTAGCACGCAGTGAGGTGCTTCCGCGAGTGACCGCTTTGATGAGGGC CCCGTGGCGGTGATCCACTGGCAGTCGGAGGGTTGGAGGCCAGCATCCTCGCGGAGCTG GCCAGGCAGCCTCGGGACCCATTTGTCTGCTGTTGGCCAGCCTGCTGTCGCTGGTCTCA GCTGTCACTGCGGAGTGGTCAAGCTCTGGCCCTGCTTCTCGGAGCAAACCT TTCACGTGCCA
Restriction Sites:	Please inquire
ACCN:	BC010094
Insert Size:	2136 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:	BC010094.1 , AAH10094.1
RefSeq Size:	2136 bp
Locus ID:	9091
Cytogenetics:	16p13.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

Gene Summary:

This gene is involved in the first step in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes a N-acetylglucosaminyl transferase component that is part of the complex that catalyzes transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]