

Product datasheet for **SC114534**

PIGT (NM_015937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGT (NM_015937) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGT
Synonyms:	CGI-06; MCAHS3; NDAP; PNH2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_015937, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGGGCGCTATGCCGCTTGGCTGCTCGTCTGTTGGCTCTGGGGCCCGGCGGTGGTGCCTTGCAG
AACCCACCGCGACAGCCTGCGGGAGGAACTTGCATCACCCCGTGCCTCCGGGGACGTAGCCGCCAC
ATTCCAGTTCGGCAGCGCTGGGATTTCGGAGCTTACAGCGGAAGGAGTGCCATTACAGGCTCTTTCCC
AAAGCCCTGGGGAGCTGATCTCCAAGTATTCTCTACGGGAGCTGCACCTGTCATTACACAAAGGCTTTT
GGAGGACCCGATACTGGGGGCCACCTTCTGCAGGCCCATCAGGTGCAGAGCTGTGGTCTGGTTCCA
AGACACTGTCACTGATGTGGATAAATCTTGAAGGAGCTCAGTAATGTCCTCTCAGGGATCTTCTGCGCC
TCTCTCAACTTCACTCGACTCCACCAACACAGTCACTCCACTGCCTCTTCAAACCCCTGGGTCTGGCCA
ATGACACTGACCACTACTTTCTGCGCTATGCTGTGCTGCCGCGGGAGGTGGTCTGCACCGAAAACCTCAC
CCCCTGGAAGAAGCTCTTGCCCTGTAGTCCAAGGCAGGCCCTCTGTGCTGCTGAAGGCAGATCGTTG
TTCCACACCAGCTACCACTCCCAGGCAGTGCATATCCGCCCTGTTGCAGAAATGCACGCTGTACTAGCA
TCTCTGGGAGCTGAGGCAGACCTGTGAGTTGATTTGATGCCTTCATCACGGGCGAGGAAAGAAAGA
CTGGTCCCTCTTCGGGATGTTCTCCCGAACCTCACGGAGCCCTGCCCTTGGCTTCAGAGAGCCGAGTC
TATGTGGACATCACCACTACAACCAGGACAACAGACATTAGAGGTGACCCACCCCGACCACTACAT
ATCAGGAGCTCATCTAGGCACTCGGAAGACCTATGCCATCTATGACTTGCTTGACACCGCCATGATCAA
CAACTCTCGAAACCTCAACATCCAGCTCAAGTGGAAAGAGACCCCGAGAGAATGAGGCCCCCCAGTGCC
TTCTGATGCCAGCGGTACGTGAGTGCTATGGGCTGCAGAAGGGGGAGCTGAGCACACTGCTGTACA
ACACCCACCATACCGGGCTTCCCGGTGCTGCTGCTGGACACCGTACCTGGTATCTGCGGCTGTATGT
GCACACCTCACCATCACCTCAAGGGCAAGGAGAACAACCAAGTTACATCCACTACAGCCTGCCCG
GACCGGCTGCAACCCACCTCTGGAGATGCTGATTGCTGCTGCCGCGCAACTCAGTCAACCAAGTTTCCA
TCCAGTTTGAGCGGGCGCTGCTGAAGTGGACCGAGTACACGCCAGATCCTAACCATGGCTTCTATGTCAG
CCCATCTGCTCCTCAGCGCCCTTGTGCCAGCATGGTAGCAGCAAGCCAGTGGACTGGGAAGAGAGTCCC
CTTTCAACAGCCTGTTCCAGTCTCTGATGGCTCTAACTACTTTGTGCGGCTCTACACGGAGCCGCTGC
TGGTGAACCTGCCGACACCGGACTTCAGCATGCCCTACAACGTGATCTGCCTCACGTGCACTGTGGTGGC
CGTGTGCTATGGCTCCTTCTACAATCTCTCACCCGAACCTTCCACATCGAGGAGCCCGCACAGGTGGC
CTGGCCAAGCGGCTGGCCAACCTTATCCGGCGCGCCCGAGGTGTCCCCCACTCTGA
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_015937 unedited
CAGCATTTTGTAAACGACTCACTATAGGGGCGCGCGAATTCGCACGAGGGGCTATGC
CGCTTGCTCTGCTCGTCTGTTGCTCCTGGGGCCCGGCGGTGGTGCCTTGCAAGCCCC
CACGCGACAGCCTGCGGGAGGAACTTGCATCACCCCGTGCCTCCGGGGACGTAGCCG
CCACATTCCAGTTCGGCACGCGCTGGGATTTCGGAGCTTACAGCGGAAGGAGTGTCCCAT
ACAGGCTCTTTCCAAAGCCCTGGGGCAGCTGATCTCCAAGTATTCTCTACGGGAGCTGC
ACCTGTCAATTCACAAAGGCTTTTGGAGACCCGATACTGGGGGCCACCTTCTGCAGG
CCCCATCAGGTGCAGAGCTGTGGGTCTGGTTCCAAGACTGTCAGTATGTGGATAAAT
CTTGAAGGAGCTCAGTAATGTCCTCTCAGGGATCTTCTGCGCTCTCTCAACTCATCG
ACTCCACCAACACAGTCACTCCACTGCCTCCTTCAAACCCCTGGGTCTGGCCAATGACA
CTGACCACTACTTTCTGCGCTATGCTGTGCTGCCGCGGAAGGTGGTCTGCACCGAAAAC
CTCACCCCTGGAAGAAGCTCTTGCCCTGTAGTCCAAGGCAGGCCCTCTGTGCTGCTG
AGGGCAGATCGTTGTTCCACACCAGCTACCACTCCNANGCAGTGCATATNCGNCCCTG
TTGCAGAAAATGCAGCTGTACTAGCATCTNCTGGGAGCTGANGCAGACCCTGTCACTNG
TATTTGATGNCTTCATCACGGGGCAGGGAAGAANNACTGGTCTCTNCCGATGTT
CTCCCAGCCTNACGGAGCCNTGCCCCCTGGCTTANAGAANCAGTCTATGGTGCANTNC
CNCCTACACCAGGACACGAACATTTAAAGGTGCCCCACCCGACACTACTTANAGGGAGT
NATCTAGACTTCGGAGACATAGCATTATGACTGGTTGACCGCCTGTCAACACTTGAACATA
ATCACTAA
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015937 unedited TCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCACGGAAACAGCCGTTTTTATTCCACAAA CAGTAACTCCATCCACTACACAGTGACATACACTGTGTAGCACACCCCATCACCTTGGC CAGTGTGCCAGCCGACCTTTCTGTGGTGATGGAAATCTTTTTCTGTGCTGTCCAATACA GCAGCCACCGACCACTTTTGCTTATTGAGCACCTCAATATAGAGGTGGCCACTACAGGTG AGGAAATGAATTTCTAAGTTAATTCAAATCAAATGCCACATTTGGCTCGTGGCTCCTGT ACTGGACAACACAGCTGTAGCCCTGACCTGGTCCAGGGCACTTTGGTTCAAAGCCAAC TCTGAGGAGAGCAAGTGGCAGAAACAGCCCTTGGGCTCCCTCCAGAGAGAAACGGCA GCTGCAGCTGCTGAAAGGGCAAGAATCAGAGTGGGGGACACCTCGGGCGCCGGATA AGGTTGGCCAGCCGCTTGGCCAGCCACCTGTGCGGGGCTCCTCGATGTGGAAGGTTGCG GTGAGGAGATTGTAAAAGGAGCCGTANACACGGCCACCACAGTGACAGTGTGAGGCANATC ACGTTGTAGGGCATGCTGAGTCCCGTGTGNCAGGTACCACCAGCGGCTCCGTGTAGAG CCGCACAAAGTATTAGAGCCATCANAGACTGGGAACAAGCTGTTGAAGAGGGGACTCTCT TCCCAGCCACTGCCTTGGCTGCTACATGCTGGCCACAAGGCCCTGAAGACAAAGGGCTGA CCTAAACCCATGTTAGGATCTGGGGTACTTGGCACTTAACAAGCCCGTCAACTGGAAG GAACCTCGGGACCGATTGGCCGAATTTATCACACTTCCGAAGGGGGTGCACCCGGCCT GCACGCCGGAAAGGAGTACCGGCTGCTCCCTGCCCTGGAGGAGGAGGGGGCCAACGCCA CAACCAGCCGGGCAACAAACCGGAAGCCGGCTGGGGT
Restriction Sites:	NotI-NotI
ACCN:	NM_015937
Insert Size:	2260 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:	<u>NM_015937.1</u> , <u>NP_057021.1</u>
RefSeq Size:	2246 bp
RefSeq ORF:	1725 bp
Locus ID:	51604
UniProt ID:	<u>Q969N2</u>
Cytogenetics:	20q13.12
Domains:	Gpi16

Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	<p>This gene encodes a protein that is involved 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 protein is an essential component of the multisubunit enzyme, GPI transamidase. GPI transamidase mediates GPI anchoring in the endoplasmic reticulum, by catalyzing the transfer of fully assembled GPI units to proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>