

Product datasheet for **SC322367**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322367
 GGCGGAAGTAGCCGACAGGCATGGCGGCGGCTATGCCGCTTGCTCTGCTCGTCCTGTTGCT
 CCTGGGGCCCGCGGCTGGTGCCTTGCAGAACCCACGCGACAGCCTGCGGGAGGAACT
 TGTCAACACCCGCTGCCTTCCGGGACGTAGCCGCCACATTCCAGTCCGACGCGCTG
 GGATTCGGAGCTTACGCGGAAGGAGTGTCCATTACAGGCTCTTCCAAAGCCCTGGG
 GCAGCTGATCTCCAAGTATTCTCTACGGGAGCTGCACCTGTCATTACACAAGGCTTTTG
 GAGGACCCGATACTGGGGCCACCCTTCTGCAGGCCCATCAGGTGCAGAGCTGTGGGT
 CTGGTTCCAAGACACTGTCACTGATGTGGATAAACTTGAAGGAGCTCAGTAATGTCCT
 CTCAGGGATCTTCTGCGCCTCTCTCAACTTCATCGACTCCACCAACACAGTCACTCCAC
 TGCTCTTCAAACCCCTGGGTCTGGCCAAATGACACTGACCACTACTTTCTGCGTATGC
 TGTGCTGCCGCGGAGGTGGTCTGCACCGAAAACCTCACCCCTGGAAGAAGCTTTGCC
 CTGTAGTTCAAAGGCAGGCTCTCTGTGCTGCTGAAGGCAGATCGCTTGTCCACACCAG
 CTACCACTCCCAGGCAGTGCATATCCGCCCTGTTGCAGAAATGCACGCTGTACTAGCAT
 CTCCTGGGAGCTGAGGCAGACCCTGTCAGTTGATTTGATGCCTTCATCACGGGGCAGGG
 AAAGAAAGACTGGTCCCTCTTCCGGATGTTCTCCGAACCCTCACGGAGCCCTGCCCCCT
 GGCTTCAGAGAGCCGAGTCTATGTGGACATCACCACTACAACAGGACAACGAGACATT
 AGAGGTGCACCCACCCCGACCACTACATATCAGGACGTATCCTAGGCACTCGGAAGAC
 CTATGCCATCTATGACTTGCTTGACACCGCCATGATCAACAACCTCGAAACCTCAACAT
 CCAGCTCAAGTGAAGAGACCCCGAGAGAATGAGGCCCCCAAGTGCCTTCTGATGC
 CCAGCGGTACGTGAGTGGCTATGGGCTGCAGAAGGGGGAGCTGAGCACACTGCTGTACAA
 CACCCACCATACCGGCCTTCCCGTGTGCTGCTGGACACCGTACCCTGGTATCTGCG
 GCTGTATGTGCACACCCTCACCATCACCTCCAAGGGCAAGGAGAACAACCAAGTTACAT
 CCACTACCAGCTGCCAGGACCGGCTGCAACCCACCTCCTGGAGATGCTGATTACAGT
 GCCGGCCAACTCAGTCACCAAGGTTTCCATCCAGTTTGAGCGGGCGCTGCTGAAGTGGAC
 CGAGTACACACCAGATCCTAACCATGGCTTCTATGTACGCCATCTGTCCTCAGCGCCCT
 TGTGCCAGCATGGTAGCAGCAAGCCAGTGGACTGGGAAGAGAGTCCCCTCTTCAACAG
 CCTGTTCCAGTCTCTGATGGCTCTAACTACTTTGTGCGGCTCTACACGGAGCCGCTGCT
 GGTGAACCTGCCGACACCGGACTTACGATGCCCTACAACGTGATCTGCCTCACGTGCAC
 TGTGGTGGCCGTGTGCTACGGCTCCTTCTACAATCTCCTCACCGAACCTTCCACATCGA
 GGAGCCCGCACAGGTGGCTGGCCAAGCGGCTGGCCAACCTTATCCGGCGCGCCGAGG
 TGTCACCCACTCTGATTCTTGGCCCTTCCAGCAGCTGCAGCTGCCGTTTCTCTCTGGGG
 AGGGGAGCCAAAGGGCTGTTTCTGCCACTTGTCTCCTCAGAGTTGGCTTTTGAACCAAA
 GTGCCCTGGACAGGTACGGGCCTACAGCTGTGTTGTCCAGTACAGGAGCCACGAGCCAA
 ATGTGGCATTGAAATTTGAATTAACCTTAGAAATTCATTTCTCACCTGTAGTGGCCACCT
 CTATATTGAGGTGCTCAATAAGCAAAAGTGGTCGGTGGCTGCTGTATTGGACAGCACAGA
 AAAAGATTTCCATCACACAGAAAGGTCCGGCTGGCAGCACTGGCCAAGGTGATGGGGTGT
 GCTACACAGTGTATGTCACTGTGTAGTGGATGGAGTTTACTGTTTGTGGAATAAAAAACGG
 CTGTTTCCGTGAAA

Restriction Sites: Please inquire

ACCN: NM_015937

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).

OTI Annotation: 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.

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_015937.3, NP_057021.2</u>
RefSeq Size:	2228 bp
RefSeq ORF:	1737 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>