

## Product datasheet for **SC100367**

### PIGX (NM\_017861) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGX (NM_017861) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGX
Synonyms:	PIG-X
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017861, the custom clone sequence may differ by one or more nucleotides

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CTGGCGGCTCGGGTGGCGGCGTTTCGGGCGGCCCTGGCTGCTCCTCGGGGCGGCGACCGGGCTCACGC  
GCGGGCCCGCGCGCCTTACCAGCCGCGCGCTCTGACGCCGGCATAAGGGCCATGTGTTCTGAAATTAT  
TTTGAGGCAAGAAGTTTTGAAAGATGGTTTCCACAGAGACCTTTAATCAAAGTGAAGTTTGGGAAAGC  
ATTGAGGACTTGCACACCTGCCGTCTTAATTAACAGGACATTCCTGCAGGACTTTATGTGGATCCGT  
ATGAGTTGGCTTCATTACGAGAGAGAAACATAACAGAGGCAGTGATGGTTTCAGAAAATTTGATATAGA  
GGCCCCAACTATTTGTCCAAGGAGTCTGAAGTTCTCATTATGCCAGACGAGATTCACAGTGCATTGAC  
TGTTTTCAAGCCTTTTTGCCTGTGCACTGCCGCTATCATCGGCCGCACAGTGAAGATGGAGAAGCCTCGA  
TTGTGGTCAATAACCCAGATTTGTTGATGTTTTGTGACCAAGAGTCCCGATTTTAAAATGCTGGGCTCA  
CTCAGAAGTGGCAGCCCTTGTGCTTTGGAGAATGAGGATATCTGCCAATGGAACAAGATGAAGTATAAA  
TCAGTATAAGAATGTGATTCTACAAGTTCAGTGGGACTGACTGTACATACCTCTCTAGTATGTTCTG  
TGACTCTGCTCATTACAATCCTGTGCTCTACATTGATCCTTGTAGCAGTTTTCAAATATGGCCATTTTTC  
CCTATAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017861 unedited</p> <pre>TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCCCTGGCTGCTCCTCG GGGCGGCGACCGGGCTCACGCGCGGGCCCGCCGCGCCTTACC GCCCGCGCGCTGTGACG CCGGCATAAAGGGCCATGTGTTCTGAAATATTTTGAGGCAAGAAGTTTGAAGATGGTT TCCACAGAGACCTTTTAAACAGGACATTCTGCAGGACTTTATGTGGATCCGTATGAGTTGG CCCGTCTCTTAATTAACAGGACATTCTGCAGGACTTTATGTGGATCCGTATGAGTTGG CTTCATTACGAGAGAGAAACATAACAGAGGCAGTGATGGTTTCAGAAAATTTTGATATAG AGGCCCTAACTATTTGTCCAAGGAGTCTGAAGTTCTCATTTATGCCAGACGAGATTAC AGTGCATTGACTGTTTTCAAGCCTTTTTGCCTGTGCACTGCCGCTATCATCGGCCGACA GTGAAGATGGAGAAGCCTCGATTGGTCAATAACCCAGATTTGTTGATGTTTTGTGACC AAGAGTCCCAGATTTGAAATGCTGGGCTCACTCAGAAGTGGCAGCCCCTTGTGCTTTGG AGAATGATGATATCTGCCAATGGAACAAGATGAAGTATAAATCAGTATATAAGAATGTGA TTCTACAAGTCCAGTGGGACTGACTGTACATACCTCTCTAGTATGTTCTGTGACTCTGC TCATTACAATCCTGTGCTCTACATTGATCCTTGTAGCANGTTTCAAATATGGCCATTCTT TCCCTATAAGNTNTATGTAGNTAAAATGCTTCTANAAACCTAAATAAGATCTATTANTT NCTGACGAGAGGGGTGTCTTCTAGAAAANTAATACTTTTATCTTTTGGCTTCATTTGAGGG CAAATTATGNNTACTAGAGAAANTTNGGNATCTTCTCAGCTATCCAAATGTAGGCTCTA TGCATGGATNCTGTNATNCTCAGCATAGATGCATAAGGGNAANCTATTCTGCT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_017861 unedited</p> <pre>CTANGATCGAGTTT AAAGGCTCACTCTGTCCCCAAACTGGGAGATGCAATGGCGTGATCTGGCTCACTGGAA ACCCTGCCCTCCGGGGTCAAGCCCTTCTCCTGCCTCAACCCCCCAGTAGCTGGGACTAC AGGGTTGCCCCACCTACCCCGTCATTTTTTTGTATTTTAGGAGAAAAGGGGGTTCAC CCGGTTAACCAAGAAGGGCTCAAACCTGACCCCGTGATCTGCCCTCTCGGCCCCCA AAATGCTGGGATTATAAGCGTAAACCACCCCGCCCGCAAAGGTTTATTTTTAAATTA CCCATGGCACCTACCTATTTTTCTAAATTTTTTCCCATCCTAACAGTAAATGAAAAACC TTGGTTAAAAAATTACCCGATGATCCCATATTGGTCATGGACAACCTTATTTAAAAA GGGAACTGAGTTGGCTTCCCGACATACCCTGGACCAAACTTAATACCAATTTTCATCA AGTCCTTTGCCAATTCATATATTTCAAAGAAACCTGGTAAAATGTTAAAAGAGAATGGAG TGCGTTAAAGAATAATCCATAATTTAAGAATATCAAAAATTTTGAATTAATATTAAT TCTTAAACTGGCCTACCTTAAATGAATTTTCATCTGAAACCCCTGGCCCAATCTTTAAAA GCCCAATGACTACCTATTTAAAATAAAACCTGGATTGGCATCCCAAATAATTTTA ATTCTCCCTCTTTGGGGTTTTCCCTTGGAGACAGGGGTCTTCGTTTCTGTCCCCCA AGCTGGGAATGCCAATGGGGCAATCCTTGGCTTCTCCTGAAACCTCCGCCCTCCAGG TTCAAACCGATCC</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017861
<b>Insert Size:</b>	2250 bp
<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>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>	<a href="#">NM_017861.1</a> , <a href="#">NP_060331.1</a>
<b>RefSeq Size:</b>	3052 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	54965
<b>UniProt ID:</b>	<a href="#">Q8TBF5</a>
<b>Cytogenetics:</b>	3q29
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<b>Gene Summary:</b>	<p>This gene encodes a type I transmembrane protein in the endoplasmic reticulum (ER). The protein is an essential component of glycosylphosphatidylinositol-mannosyltransferase I, which transfers the first of the four mannoses in the GPI-anchor precursors during GPI-anchor biosynthesis. Studies in rat indicate that the protein is translated from a non-AUG translation initiation site. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>