

Product datasheet for **SC327768**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017861, the custom clone sequence may differ by one or more nucleotides

CTGGCGGCTCGGGTGGCGGCGGTTCTGGGCGGCCCTGGCTGCTCCTCGGGGCGGCGACCGGGCTCACGC
 GCGGGCCCGCGCGGCTTCACCGCCGCGCGCTCTGACGCCGGCATAAGGGCCATGTGTTCTGAAATTAT
 TTTGAGGCAAGAAGTTTTGAAAGATGGTTTCCACAGAGACCTTTTAATCAAAGTGAAGTTTGGGAAAGC
 ATTGAGGACTTGACACCTGCCGTCTCTTAATTAACAGGACATTCCTGCAGGACTTTATGTGGATCCGT
 ATGAGTTGGCTTCATTACGAGAGAGAAACATAACAGAGGCAGTGATGGTTTCAGAAAATTTTGATATAGA
 GGCCCTAACTATTTGTCCAAGGAGTCTGAAGTTCTCATTATGCCAGACGAGATTCACAGTGCATTGAC
 TGTTTTCAAGCCTTTTGCCTGTGCACTGCCGCTATCATCGGCCGCACAGTGAAGATGGAGAAGCCTCGA
 TTGTGGTCAATAACCCAGATTTGTTGATGTTTTGTGACCAAGAGTCCCGATTTTGAAATGCTGGGCTCA
 CTCAGAAGTGGCAGCCCTTGTGCTTTGGAGAATGAGGATATCTGCCAATGGAACAAGATGAAGTATAAA
 TCAGTATATAAGAATGTGATTCTACAAGTTCAGTGGGACTGACTGTACATACCTCTCTAGTATGTTCTG
 TGACTCTGCTCATTACAATCCTGTGCTCTACATTGATCCTGTAGCAGTTTTCAAATATGGCCATTTTTC
 CCTATAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017861
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).


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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:	NM_017861.3 , NP_060331.3
RefSeq Size:	3052 bp
RefSeq ORF:	777 bp
Locus ID:	54965
UniProt ID:	Q8TBF5
Cytogenetics:	3q29
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	<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>