

Product datasheet for **SC111117**

PIGL (NM_004278) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGL (NM_004278) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGL
Synonyms:	CHIME
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004278, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGCAATGTGGCTCCTGTGTGTGGCGTTGGCGGTCTTGGCATGGGGCTTCCTCTGGGTTTGGGACT
CCTCAGAACGAATGAAGAGTCGGGAGCAGGGAGGACGGCTGGGAGCCGAAAGCCGGACCCTGCTGGTCAT
AGCGCACCCCTGACGATGAAGCCATGTTTTTTGCTCCCACAGTGCTAGGCTTGCCCGCCTAAGGCACTGG
GTGTACCTGCTTTGCTTCTGTCAGGAAATTAACAATCAAGGAGAGACTCGTAAGAAAGAACTTTTGC
AGAGCTGTGATGTTTTGGGGATTCCACTCTCCAGTGAATGATTATTGACAACAGGGATTTCCAGATGA
CCCAGGCATGCAGTGGGACACAGAGCACGTGGCCAGAGTCTCCTCAGCACATAGAAGTGAATGGCATC
AATCTGGTGGTGACTTTTCGATGCAGGGGAGTAAGTGGCCACAGCAATCACATTGCTCTGTATGCAGCTG
TGAGGGCCCTGCACTCAGAAGGGAAGTTACCTAAAGGGTCTCTGTGCTCACGCTTCAGTCTGTGAATGT
GCTGCGCAAGTACATCTCCCTTCTGGATCTGCCCTTGTCTCTGCTTCATACGCAGGATGTCTCTTCGTG
CTCAACAGCAAAGAAGTGGCACAGGCCAAGAAAGCCATGTCTGCCACCGCAGCCAGCTCCTCTGTTCC
GCCGCCTCTACATTATCTTCTCCCGGTACATGAGAATCAACTCACTGAGCTTCTCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004278 unedited
 TTCAGATTTGTATCCGACTCACTATAGGGCGGCCGCGCATTTCGGCACGAGGCAATGTGGC
 TCCTGTGTGTGGCGTTGGCGGTCTTGGCATGGGGCTTCTCTGGGTTTGGGACTCCTCAG
 AACGAATGAAGAGTCGGGAGCAGGGAGGACGGCTGGGAGCCGAAAGCCGGACCCTGCTGG
 TCATAGCGCACCTGACGATGAAGCCATGTTTTTGTCTCCACAGTGCTAGGCTTGGCCC
 GCCTAAGGCACTGGGTGTACCTGCTTTGCTTCTCTGCAGGAAATTACTACAATCAAGGAG
 AGACTCGTAAGAAAGAACTTTTGCAGAGCTGTGATGTTTTGGGGATTCCACTCTCCAGTG
 TAATGATTATTGACAACAGGGATTTCCAGATGACCCAGGCATGCAGTGGGACACAGAGC
 ACGTGGCCAGAGTCCTCCTTTCAGCACATAGAAGTGAATGGCATCAATCTGGTGGTGACTT
 TCGATGCAGGGGAGTAAGTGGCCACAGCAATCACATTGCTCTGTATGCAGCTGTGAGGG
 CCCTGCACTCAGAAGGGAAGTTACCTAAAGGTAAGGCTTGTTCCTTTTGCAAAGGGCCAC
 AAGATACTGTCCCTCTGAGAACTTATGAGGGGAAATTTGCAAATCCACAGAGAGCTGC
 CCTCAGCCGAGCAGAGGCAGTGGTTGGGAGGCCGNCACACTCTTCTGACTCACCTCAA
 GGTACCTGGCAGTTGTATCTACCAGCAAGTGCCTGCCTGCANGGCCACCTCTGGATGAG
 TGGGGAGGCCACGTTTGGCCCTCACCTGTCTAGCTTTTACAGGGTGGATGTTTTACACC
 TCTGGTATTCTCCAGTCTGAACTCAATCCCATTTCCCAACCAATAAGCAGGTTGTAATGAC
 TGCTGGGGCTTGATGACCCATCTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004278 unedited
 ATGAACCGCGGCCGCTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGAGCAC
 TTTTATGTTTATTATGATAATAGGGACCTGCCAGGCACTGGGCTAGGTGTTCCACATC
 TACTGTGTCATTATGTAATTGTTTTTCAAGAAGCTGAGAAGCTAGCAGTGTAGCTAT
 TATTATCCTTGGGGTGGTTTGTGTTTTGGTTCTTTGGGTTTTTTCCAGGGGAAGAAGCTG
 GAGTTTGGACAGCCCCTGGCCTACATGGGCTCCCTTTTGCAGAGGCTGCTCCAGCGGGGA
 TCTCCTTGAGCTCAGGTAATAAGCCAGTGCCAGGCCAGGTCCTCTGCACTCCTTTGTCT
 ATTTTCCCCTTTGTTCTTGGACCTGAAAACCCTTCAAGGCTTTCAGAGGAAGCTCAGTGA
 GTTGATTCTCATGTACCGGGAGAAGATAATGCAGAGGCGCGGAACAGAGGAGCTGGCT
 GCGGTGGCAGGACATGGCTTTCTTGGCCTGTGCCACTTCTTTGCTGTTGAGCACGAAGAG
 GACATCCTGCGTATGAAGCAGAGACAAGGGCAGATCCAGAAGGGAGATGACTTGCAGCAG
 CACATTCACAGACTGAAGCGTGAGCACAGAGCACCTGGATGGAGAGGAGACAGGGTGAA
 GCGATAAGCCTTGAGGCCTCCAGCCAGATTCTCCCTGAGCATCCTCCCTTACCCTGTG
 GCTCAAGGCAGGGCAGGACAGTGGCCACAGCATTGCCCCGTGTTTCTGTGGCACTACAGC
 TGCCNTGTGCCATGATTCTTGCAGCTAGAACGAGTATAAGGGCCATAGAAGACCTGGCT
 TGCTACCCTTACCCTGCGGTGTGCCCTACCANAAAAACGTTGTCTGCTTACAGCGTGA
 AACTTTGCTTACCTCAAAGCCAAAGCAAGTAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_004278

Insert Size:

2090 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:

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_004278.2](#), [NP_004269.1](#)

RefSeq Size: 1163 bp

RefSeq ORF: 759 bp

Locus ID: 9487

UniProt ID: [Q9Y2B2](#)

Cytogenetics: 17p11.2

Protein Families: Transmembrane

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

Gene Summary: This gene encodes an enzyme that catalyzes the second step of glycosylphosphatidylinositol (GPI) biosynthesis, which is the de-N-acetylation of N-acetylglucosaminylphosphatidylinositol (GlcNAc-PI). Study of a similar rat enzyme suggests that this protein localizes to the endoplasmic reticulum. [provided by RefSeq, Jul 2008]