

## Product datasheet for SC335195

### PIGG (NM\_001289057) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGG (NM_001289057) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGG
Synonyms:	GPI7; LAS21; MRT53; PRO4405; RLG51930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335195 representing NM_001289057. Blue=Insert sequence Red=Cloning site Green=Tag(s)

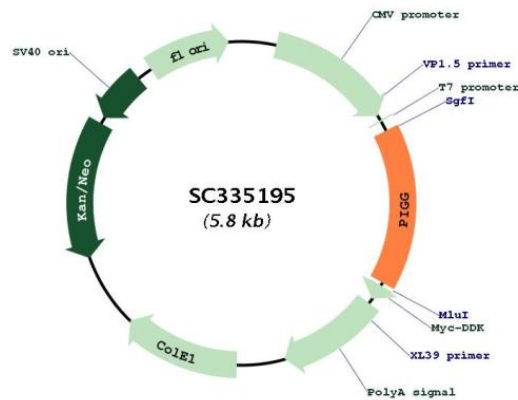
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCCCTACACACTTACCTTGTGGAAAAAGGAGCATCTCACAGTTTTGTGGCTGAAGCAAAGCCACCT
ACAGTTACTATGCCTCGAATCAAGGCATTGATGACGGGGAGCCTTCTGGCTTTGTGACGTCATCAGG
AACCTCAATTCTCCTGCACTGCTGGAAGACAGTGTGATAAGACAAGCAAAGCAGCTGGAAAAAGAATA
GTCTTTTATGGAGATGAAACCTGGGTTAAATTATCCCAAAGCATTGTGGAATATGATGGAACAACC
TCATTTTTCGTGTCAGATTACACAGAGGTGATAATAATGTCACGAGGCATTTGGATAAAGTATTAATA
AGAGGAGATTGGGACATATTAATCCTCCACTACCTGGGGCTGGACCACATTGGCCACATTCAGGGCCC
AACAGCCCCTGATTGGGCAGAAGCTGAGCGAGATGGACAGCGTCTGATGAAGATCCACACCTCACTG
CAGTCGAAGGAGAGAGAGACGCCTTTACCCAATTTGCTGGTTCTTTGTGGTGACCATGGCATGTCTGAA
ACAGGAAGTACGGGGCCTCCTCCACCGAGGAGGTGAATACACCTCTGATTTAATCAGTTCTGCGTTT
GAAAGGAAACCCGGTGATATCCGACATCCAAAGCACGTCCAACAGACGGATGTGGCTGCGACACTGGCG
ATAGCACTTGGCTTACCGATTCCAAAAGACAGTGTAGGGAGCCTCCTATTCCCAGTTGTGGAAGGAAGA
CCAATGAGAGAGCAGTTGAGATTTTACATTTGAATACAGTGCAGCTTAGTAACTGTTGCAAGAGAAT
GTGCCGTCATATGAAAAGGTTCTACCCTGCTCCTGCTCAGCGTCCCACAGGCACTGCGCAGAAAAGGC
TGA
ACGCGTACGCGGGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

## Plasmid Map:



ACCN: NM\_001289057

Insert Size: 900 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\\_001289057.1](#)

RefSeq Size: 2685 bp

RefSeq ORF: 900 bp

Locus ID: 54872

UniProt ID: [Q5H8A4](#)

Cytogenetics: 4p16.3

<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
<b>MW:</b>	32.9 kDa
<b>Gene Summary:</b>	<p>This gene encodes an enzyme involved in glycosylphosphatidylinositol-anchor biosynthesis. The encoded protein, which is localized to the endoplasmic reticulum, is involved in transferring ethanolamine phosphate to mannose 2 of glycosylphosphatidylinositol species H7 to form species H8. Allelic variants of this gene have been associated with intellectual disability, hypotonia, and early-onset seizures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]</p>