

Product datasheet for **SC105199**

PIGG (BD127295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGG (BD127295) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BD127295, the custom clone sequence may differ by one or more nucleotides

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GACGATAAGGCCTGGCGTTATTGCTTAGAGGGCGGCTACCTGGAGCCGGAAGCGCGGCTGCAGCAGGGCGA
GGCTCCAGGTGGGTTCGGTCCGCATCCAGCCTAGCGTGTCCACGATCGCGGTGGCTCCGGGACTTTCG
CTACCTGTTGCGTAGCGATCGAGGTGCTAGGGATCGCGGTCTTCTTCGGGGATTCTCCCGCTCCCGT
TCGTTCTCTGCCAGAGCGGAACACGGAGCGGAGCCCCAGCGCCGAACCCTCGCTGGAGCCAGTTCT
AACTGGACCACGCTGCCACCACCTCTCTCAGTAAAGTTGTTATTGTTCTGATAGATGCCTTGAGAGATG
ATTTTGTGTTGGGTCAAAGGTGTGAAATTTATGCCCTACACAACCTACCTTGTGGAAAAAGGAGCATC
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5' Read Nucleotide Sequence:

>OriGene 5' read for BD127295 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCCGCATCCAGC
 CTAGCGTGTCCACGATGCGGCTGGGCTCCGGGACTTTCGCTACCTGTTGCGTAGCGATCG
 AGGTGCTAGGGATCGCGGTCTTCTTCGGGGATTCTTCCCGGCTCCCGTTCGTTCTCTG
 CCAGAGCGGAACACGGAGCGGAGCCCCAGCGCCGAACCCTCGGCTGGAGCCAGTTCTA
 ACTGGACCACGCTGCCACCACCTCTCTCAGTAAAGTTGTTATTGTTCTGATAGATGCCT
 TGAGAGATGATTTTGTGTTTGGGTCAAAGGGTGTGAAATTTATGCCCTACACAACCTTACC
 TTGTGGAAAAAGGAGCATCTCACAGTTTTGTGGCTGAAGCAAAGCCACCTACAGTTACTA
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 ACCTCAATTCTCCTGCACTGCTGGAAGACAGTGTGATAAGACAAGCAAAAGCAGCTGGAA
 AAAGAATAGTCTTTTATGGAGATGAAACCTGCGTTAAATTATTCCCAAAGCATTTTGTGG
 AATATGATGGAACAACCTCATTTCGTCGATACACAGAGGTGGATAATAATGTCA
 CGAGGCATTTGGATAAAGTATTAAGAGAGGAGATTGGGACATTAATCCTCCCACTAC
 CTGGGCTGGACCACATTGCCACATTTAGGGCCCAACAGCCTCCTGATTGGGCANAACC
 TGAGCGAGATGGACAGCGTGTGATGAAGAACCACACCTCACTGCAGTCGAAGAGAGAGA
 GACGCCTTACCCATTTGCTGGGTCTTTGTGGGACCATGGCATGTCTGAACAGAGTCCGCG
 CCTCCTCCCGAGAGGGATACCTTGTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for BD127295 unedited
 TGGTCAATATACGACTCGGGTTGATTAANNCCGCCCTTTTAAGTGATCTTTTTAAAC
 TATTTACTGCTAAGACTACCTTCAGGTAGAGCAGTCAAAGAAAGTTATTTCTCACTTTG
 TTGAATTCATATCTTTTCATTTTGAATAACAGCAGACTTTAAGCATGTATTATTTTCCA
 GTGTTTCAATTTAGTCTAAGACTGTTTGTGCTGTTTGTATCCATTGCTCGTGGAAGAATA
 CACAGACAGCAGCTGTAATGAGCAGGTGCATTCCCTCGTAGAGAAGTTTTGGAGAAAATA
 CACTCCATATAAAATAATGATAACGCAGAGATGTACCAAAAACGATGTACGTGAAAACCTG
 GAATAGAACAAATCAGTGCCTAGCAGAAGCAAGCATGACTCAGTGTGAAACCACTGCGTG
 TTTCTGAGCTCAGGAAGTGCCTAAGTGGCTGGCCACAGCACAGGCCCTGCGTACGTCC
 CAAACGCTGTCCAGGAGCACCGCTGGGATTTCCACGTAGGTGTCTAAGCCCCGAAGCCTG
 CGGAGATGTCCACGGTGGCAATGTTGTTGAGTTGCCCTGAAAAAGAGAATGCTTGCC
 AAACCAATGCATCACAGTAACTCAGCTGGATCGTGTCTTAGGGCTTCCAGATGAT
 TTTAGCCATTAGAAAGTCTGAATCAAAGGGCTAATGCTTAAGACCCGAAGAATAATGTGT
 GCTAAAAAGAAAAGTTGGCCGAAGAACCTAAACCACTATTTATTTTCCCTAAAACCCCC
 CAGTTCTGAGTTTGAAGTTTTCGGCACTGGCTTTGGAGATTAAGGAAGACTTTGGGGGC
 CCCGGAACAGAATGCCCGGGGCAAAAACCTTTAACAAAACCACGCTTAAAAAACCCCTT
 TGGAAAAATGCCTGGCTTGTCCGGCCCGCCGGAACCCCGACCCCTCTCTGGGCGCC
 CCGCGGCATATAACTCCCAACCCCGCGCCCGGGGAGGCCCTTGACCT

Restriction Sites:

NotI-NotI

ACCN:

BD127295

Insert Size:

3300 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:	<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:	BD127295.1
RefSeq Size:	3197 bp
RefSeq ORF:	3197 bp
Locus ID:	54872
Cytogenetics:	4p16.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
Gene Summary:	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]