

## Product datasheet for SC323245

### PIGG (NM\_001127178) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIGG (NM_001127178) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGG
Synonyms:	GPI7; LAS21; MRT53; PRO4405; RLGS1930
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001127178, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGGGCTCCGGGACTTTCGCTACCTGTTGCGTAGCGATCGAGGTGCTAGGGATC
GCGGTCTTCTTCGGGGATTCTTCCCGGCTCCCGTTCGTTCTCTGCCAGAGCGGAACAC
GGAGCGGAGCCCCAGCGCCCAACCCTCGGCTGGAGCCAGTTCTAACTGGACCACGCTG
CCACCACCTCTTTCAGTAAAGTTGTTATTGTTCTGATAGATGCCTTGAGAGATGATTTT
GTGTTTGGGTCAAAGGTGTGAAATTTATGCCCTACACAACCTACCTTGTGAAAAAGGA
GCATCTCACAGTTTTGTGGCTGAAGCAAAGCCACCTACAGTACTATGCCTCGAATCAAG
GCATTGATGACGGGGAGCCTTCCCTGGCTTGTGCGACGTCATCAGGAACCTCAATTCTCCT
GCACTGCTGGAAGACAGTGTGATAAGACAAGCAAAGCAGCTGGAAAAAGAATAGCTTTT
TATGGAGATGAAACCTGGGTTAAATTATCCCAAAGCATTGTTGGAATATGATGGAACA
ACCTCATTTTTTCGTGTCAGATTACACAGAGGTGGATAATAATGTCACGAGGCATTTGGAT
AAAGTATTAAGAGAGGAGATTGGGACATATTAATCCTCCACTACCTGGGGCTGGACCAC
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AGCGTGTGATGAAGATCCACACCTCACTGCAGTCGAAGGAGAGAGAGACGCCTTACCC
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TCAGAAAGATTGCATGGGAACTGGATCAGACTGTACTTGGAGGAAAAGCATTGAGAGTC
CTATTCAACCTGGGCTCCAAGTTCTCAGGCAGTACCTGGATGCTCTGAAGACGCTGAGC
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GTGATTGTGTCTGTTCTGACCAACGTGCTCGTGGGTGGAACACCCCAAGGAAGAACCC
ATGCATCCAGCTCAAGGTGGTCAAGCTAGACCTTCTTATTCTGTTGGGGACGGCGGGC
CACGCTTGAGCCTGGGCGCCAGCAGCTTCGTGGAGGAGGAGCACCAGACCTGGTACTTC

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CTTGTGAACACCCTGTGTCTAGCTCTGAGCCAAGAAACCTACAGAACTACTTTCTGGGA
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GCGTGGCAGGACGGGCCTGGCTGTGATGTCTGGAGCGAGACAAAGGCCACGGAAGCCCC
TCTACCTCCGAAGTGCTCAGAGGCCGCGAGAAGTGGATGGTGTGGCCAGTCCGTGGCTA
ATACTGGCCTGCTGCCGGCTGCTGCGCTCCCTAAACCAGACAGGTGTGCAGTGGGCTCAC
CGGCCTGACCTCGGCCACTGGCTCACCAGCTCTGACCACAAAGCCGAGCTCTCTGTCTTG
GCTGCCCTCTCCCTCCTCGTAGTTTTTGTGCTGGTGCAGAGGGGTGCTCCCTGTGTCC
AAGGCTGCCCTGGCGCTGGGGCTGCTGGCGTCTACTGCTACCGGGCGGCCATCGGGAGT
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TTTTTTATGTCTTTGTCTTGGCATTCTGTTACGGGCACAAAGACTTACTTAAATCT
CAAGTCATTGCTGCAGACTTCAAACCTCAAGACTGTAGGTTTATGGGAGATATATAGTGA
TTAGTTCTTCTGGCAGCCTTGTCTTTAGACCACATAATCTTCCGGTCTTAGCATTTAGC
CTTTGATTGACTCTAATGACTAAATTCATCTGGAAGCCCCTGAGACACGATGCAGCT
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AACAACTTGCCACCGTGGACATCTCCGAGGCTTCGTGGGCTTAGACACCTACGTGGAA
ATCCCAGCCGTGCTCCTGACAGCGTTTGGGACGTACGCAGGGCCTGTGCTGTGGCCAGC
CACTTAGTGCACTTCTGAGCTCAGAAACACGCAGTGGTTCAGCACTGAGTCATGCTTGC
TTCTGCTACGCACTGATTTGTTCTATTCCAGTTTTTACGTACATCGTTTTGGTGACATCT
CTGCGTTATCATTTATTTATATGGAGTGTATTTTCTCCAAACTTCTCTACGAGGGAATG
CACCTGCTCATTACAGCTGCTGTCTGTGTATTCTTACGGCAATGGATCAAACCAGACTC
ACACAGTCT
    
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001127178
<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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_001127178.1</a></u> , <u><a href="#">NP_001120650.1</a></u>
<b>RefSeq Size:</b>	3266 bp
<b>RefSeq ORF:</b>	2952 bp
<b>Locus ID:</b>	54872

UniProt ID: [Q5H8A4](#)

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]