

Product datasheet for **SC337641**

PIGG (NM_001289051) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PIGG (NM_001289051) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PIGG |
| Synonyms: | GPI7; LAS21; MRT53; PRO4405; RLGS1930 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001289051, the custom clone sequence may differ by one or more nucleotides

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ATGCCCTACACAACCTACCTTGTGGAAAAAGGAGCATCTCACAGTTTTGTGGCTGAAGCAAAGCCACCTA
CAGTTACTATGCCTCGAATCAAGGCATTGATGACGGGGAGCCTTCTGGCTTTGTCGACGTCATCAGGAA
CCTCAATTCTCCTGCACCTGCTGGAAGACAGTGTGATAAGACAAGCAAAGCAGCTGGAAAAAGAATAGTC
TTTTATGGAGATGAAACCTGGGTAAATATTCCCAAAGCATTTTGTGGAATATGATGGAACAACCTCAT
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AGATTGGGACATATTAATCCTCCACTACCTGGGGCTGGACCACATTGGCCACATTTAGGGCCCAACAGC
CCCCTGATTGGGCAGAAGCTGAGCGAGATGGACAGCGTGTGATGAAGATCCACACCTCACTGCAGTCGA
AGGAGAGAGAGACGCCTTACCAATTTGCTGGTTCTTTGTGGTGACCATGGCATGTCTGAAACAGGAAG
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TCAAGTCCCAGTGTGTCACCTCAGCTGAAAGTTCGTGCTACTTCTGTGGCTCTCGTGGCTGGCGGAGGT
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TTCCTTGTGAACACCCTGTGCTAGCTCTGAGCCAAGAACTACAGAACTACTTTCTGGGAGATGACG
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TCCAAGGCTGCCCTGGCGCTGGGCTGCTGGGCTCTACTGCTACCGGGCGGCCATCGGGAGTGTCCGGT
TCCCGTGGCGGGCCGACAGCAAGGACATTTCCAAGGTATTATTGAAGCTCGTTTTGTTATGCTTTGT
CCTTGGCATTCTGTTACGGGCACCAAAGACTTACTTAAATCTCAAGTCATTGCTGCAGACTTCAAACCTC
AAGACTGTAGGTTTATGGGAGATATATAGTGGATTAGTCTTCTGGCAGCCTTGCTCTTLAGACCACATA
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ACACGATGCAGCTGAGTACTGTGATGCATTATTGGTTGGTCAAGCATTCTTCTATTTTACAGGCAAC
TCCAACAACATTGCCACCGTGGACATCTCCGACGGCTTCGTGGGCTTAGACACCTACGTGGAATCCCAG
CCGTGCTCCTGACAGCGTTTGGGACGTACGCAGGGCCTGTGCTGGGCCAGCCACTTAGTGCATTCCT
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CCAGTTTTACGTACATCGTTTTGGTGACATCTGCGTTATCATTTATTTATATGGAGTGTATTTTCTC
CAAACTTCTCTACGAGGGAATGCACCTGCTCATTACAGCTGCTGTGTATTCTTACCGCAATGGA
TCAAACCAGACTCACACAGTCTTAG
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001289051

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| 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: | NM_001289051.1 , NP_001275980.1 |
| RefSeq Size: | 3449 bp |
| RefSeq ORF: | 2685 bp |
| Locus ID: | 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] |