

Product datasheet for **SC337570**

PIGG (NM_001289052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGG (NM_001289052) 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_001289052, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGGGCTCCGGGACTTTCGCTACCTGTTGCGTAGCGATCGAGGTGCTAGGGATCGCGGTCTTCC
TTCGGGGATTCTCCCGGCTCCCGTTCGTTCTCTGCCAGAGCGGAACACGGAGCGGAGCCCCAGCGCC
CGAACCCCTCGGCTGGAGCCAGTTCTAAGTGGACCACGCTGCCACCACCTCTTTCAGTAAAGTTGTTATT
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TCGAATCAAGGAGAGAGAGAGAGCGCCTTTACCCAATTTGCTGGTCTTTGTGGTGACCATGGCATGTCTGAA
ACAGGAAGTCACGGGGCCTCCTCCACCGAGGAGGTGAATACACCTCTGATTTTAATCAGTTCTGCGTTTG
AAAGGAAACCCGGTGATATCCGACATCCAAAGCACGTCCAACAGACGGATGTGGCTGCGACTGGCGAT
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ATGAGAGAGCAGTTGAGATTTTTACATTTGAATACAGTGCAGCTTAGTAACTGTTGCAAGAGAATGTGC
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GATGCTCTGAAGACGCTGAGCTTGTCCCTGAGTGCACAAGTGGCCAGTACGACATCTATTTCGATGATGG
TGGGGACTGTCGTGGTTTTGGAGGTTCTCACCTGCTCCTGCTCAGCGTCCCACAGGCACTGCGCAGAAA
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CGGCAGTGGGGTGATGGTGTGGCCTCGGCGCTGCTGTGTGTGATTGTGTCTGTCTGACCAACGTGCT
CGTGGGTGAAAACACCCCAAGGAAGAACCCATGCATCCAGCTCAAGGTGGTCAAGCTAGACCTTCTT
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GAGGCCGCGAGAAGTGGATGGTGTGGCCAGTCCGTGGCTAATACTGGCCTGCTGCCGGCTGCTGCGCTC
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TGTCCGGTCCCCTGGCGCCGACAGCAAGGACATTTCAAGGGTATTATTGAAGCTCGTTTTGTTTAT
GTCTTTGCTTGGCATTCTGTTACGGGCACCAAGACTTACTTAAATCTCAAGTCATTGCTGCAGACT
TCAAACCTAAGACTGTAGGTTTATGGGAGATATATAGTGGATTAGTTCTTCTGGCAGCCTTGCTCTTTAG
ACCACATAATCTTCCGGTCTTAGCATTTAGCCTCTTGATTGACTCTAATGACTAAATTCATCTGGAAG
CCCCTGAGACACGATGCAGCTGAGATTACTGTGATGCATTATTGGTTTGGTCAAGCATTCTTCTATTTTC
AGGGCAACTCAAACAACATTGCCACCGTGGACATCTCCGCAGGCTTCGTGGGCTTAGACACCTACGTGGA
AATCCCAGCCGTGCTCCTGACAGCGTTTGGGACGTACGCAGGGCCTGTGCTGTGGCCAGCCACTTAGTG
CACTTCTGAGCTCAGAAACACGCAGTGGTTTCAAGTGTGATGCTTGTCTGCTACGCACTGATTT
TTCATTCCAGTTTTTACGTACATCGTTTTGGTGACATCTCTGCGTTATCATTTATTTATGAGAGTGT
ATTTTCTCCAAAACCTTCTACGAGGGAATGCACCTGCTCATTACAGCTGCTGTCTGTGTATTCTTCACG
GCAATGGATCAAACCAGACTCACACAGTCTTAG
    
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001289052

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:	<u>NM_001289052.1</u> , <u>NP_001275981.1</u>
RefSeq Size:	3241 bp
RefSeq ORF:	2553 bp
Locus ID:	54872
UniProt ID:	<u>Q5H8A4</u>
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 ethanoloamine 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]