

Product datasheet for **SC104535**

PIGP (AB039659) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIGP (AB039659) Human Untagged Clone
Tag: Tag Free
Symbol: PIGP
Synonyms: DCRC; DCRC-S; DSCR5; DSRC; PIG-P
Mammalian Cell Selection: None
Vector: pCMV6-XL6
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for AB039659 edited
 ATGGTGGAAAATTCACCGTCGCCATTGCCAGAAAGAGCGATTTATGGCTTTGTTCTTTTC
 TTAAGCTCCCAATTTGGCTTCATACTTTACCTCGTGTGGGCTTTATTCTGAATCTTGG
 CTTAAACTCTTTAGGTTTAACTATTGGCCTCAAAAATATTGGGCAGTTGCATTACCTGT
 CACCTCCTTATTGCTATAGTAATTGGCTACGTGCTCTTGTGGGATTAACATGATGAGT
 ACCTCTCCACTCGACTCCATCCATACAATCACAGATAACTATGCAAAAAATCAACAGCAG
 AAGAAATACCAAGAGGAGGCCATTCCAGCCTTAAGAGATATTTCTATTAGTGAAGTAAAC
 CAAATGTTCTTTCTTGCAGCCAAAGAAGCTTTACACCAAAAACTGA

5' Read Nucleotide Sequence: >OriGene 5' read for AB039659 unedited
 ACCTTACCCCGCCCGTTGNCGCAAATGGGCGGTAGCGTGTACGGTGGGAGGTCTATATA
 AGCAGAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC
 GCGAATTCGGCAGGAGGAAAAATGGTGGAAAATTCACCGTCGCCATTGCCAGAAAGAGC
 GATTTATGGCTTTGTTCTTTCTTAAGCTCCCAATTTGGCTTCATACTTTACCTCGTGT
 GGCCTTTATTCTGAATCTTGGCTAAACTCTTAGGTTTAACTATTGGCCTCAAAAATA
 TTGGGCAGTTGCATTACCTGTCTACCTCCTTATTGCTATAGTAATTGGCTACGTGCTCT
 GTTTGGGATTAACATGATGAGTACCTCTCCACTCGACTCCATCCATACAATCACAGATAA
 CTATGCAAAAAATCAACAGCAGAAGAAATACCAAGAGGAGGCCATTCCAGCCTTAAGAGA
 TATTTCTATTAGTGAAGTAAACCAATGTTCTTTCTTGCAGCCAAAGAAGCTTTACACCAA
 AACTGAACTGTGTGTAACCATAGTAACACCAAGCACGTAATTTATTTATAAGTTTTTGGC
 ATTATAATTTTGACCATAAATTTGACCATCTCTTATTAATAGAGAAGTAAAAAA
 TGTAAGTTGACCTTCTCTTAGATTATGTTCAATGAATATTGTAATGTTCAAGTATTGTT
 AATGAATAGAATAAATACAATATTGCATTCCCATATAGCAGACTTAAAAAAAATCATG
 TCAGTATAATCAAGAAGTTCTCCAGAGAGGCATTTATATTGTAATTTGCAAAGGGCATGA
 TGTCTTCCTCTGTTTGTCTGAGGGGCCAGAATCAACCCCTTATTTTTGGGAGGGT
 ACAGGTAG

Restriction Sites: NotI-NotI



[View online »](#)

ACCN:	AB039659
Insert Size:	7000 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:	AB039659.1 , BAB12395.1
RefSeq Size:	405 bp
RefSeq ORF:	405 bp
Locus ID:	51227
Cytogenetics:	21q22.13
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	This gene encodes an enzyme involved in the first step of glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. The encoded protein is a component of the GPI-N-acetylglucosaminyltransferase complex that catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). This gene is located in the Down Syndrome critical region on chromosome 21 and is a candidate for the pathogenesis of Down syndrome. This gene has multiple pseudogenes and is a member of the phosphatidylinositol glycan anchor biosynthesis gene family. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2016]