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Product datasheet for SC126430

PIGC (BC008179) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PIGC (BC008179) Human Untagged Clone

Tag: Tag Free

Symbol: PIGC

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Cell Selection: None

Fully Sequenced ORF:

>OriGene sequence for BC008179 edited
TCTCGGTCGTGCACCCCCCTAAAGAGCTTGGTGCAGGAATTTAGCTGTGTTGTCCTGACC
CTCAGGACAAACTCATCTAATGCAGGCTCAGCTTGTACTGAAGGCTTTGTAAACAAGGAA
AGTTCTGTAGGGTATCAGCATGGCATTTCCAGAGAGTTCTTAATCTACAGATTTATCAAG
AACCAGAACCCCATGGACGTCCCTGAGGGAGATTGAGCCAACCTGGATTTGAGGAAAGAA
TGAGATAATGTGTGCTCAACGTGTAACAGACACCCCAGAAGTCAAGTGGCAGAAGGTTTT
ATATGAGCGGCAGCCGTTCCCTGATAACTATGTTGACCAGAGGTTCCTGGAAGAACTCCG
GAAAAACATCTATGCCCGGAAGTACCAGTACTGGGCTGTGGTATTTGAGTCCAGTGTGGT
GATACAGCAGCTGTGCAGTGTCTGTGTTTTTGTAGTGATCTGGTGGTACATGGATGAGGG
TCTTCTGGCTCCCCAGTGGCTTTTTGGGACCGGACTGGCATCTTCCTTGGTTGGGTATGT
TTTATTCGATCTTATCGATGGAGGTGATGGACGGAAGAAGAGTGGGCGGACCCGGTGGGC
CGACCTGAAGAGTACTCTGGTCTTTATCACTTTCACTTACGGTTTTTCACCTGTGCTAAA
GACCCTGACGGAGTCTGTCAGTACAGACACTATCTACGCCATGGCAGTCTTTATGCTGTT
AGGCCATCTCATCTTCTTTGATTACGGTGCCAATGCTGCTATTGTATCCAGCACCCTGTC
CTTGAACATGGCCATCTTTGCTTCTGTTTGCCTGGCCTCACGCCTCCCCCGGTCACTCCA
CGCCTTCATTATGGTGACGTTTGCTATCCAGATCTTTGCACTGTGGCCCATGTTACAGAA
GAAACTGAAGGCGTACACCCCGCGAAGCTATGTAGGGGTCACTTTGCTTTTTGCCTTTTC
TGCCTTTGGAGGTCTTCTGTCCATTAGTGCTGTGGGAGCCATACTCTTTGCTCTCCTGCT
GTTTTCCATCTCCTGTCTCTGCCCTTACTACCTCATTCATCTGCAGCTTTTTAAGGAAAA
TATTCACGGGCCTTGGGATGAAGCTGAAATCAAGGAAGACTTGTCTAGGTTCCTTAGCTA
ATCTAGGGACCTTCATTTCATTATTAAGACCAGCGGAAAGACTTCGAGCCTAACCGGTGC
AACATTTAAAGGCAGGGGTCCACTCTTGAAGCAGCCGACTGATCTAGATGGTAGAGCTGA
GATCAGAAGAAAGCATTTAACCAAGGGCTTAGGGGAGGGTGCTTGTCCTTCAGTTATTTT
GTGACTGAAAAAGCTTTCTGGTGCTGTTATGAATTATTGTCCTTTATTCCCTGTAACAAA
TGATGTAATGTGGGTTCTGCTTATTAAAAAAGTAATATCCAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC008179 unedited
CGCGTTCNGATTTGTATACGACTCACTATAGGCGGACCGCGATTCAGATCTGGTACCGGT
CCGGAATTCCCGGGATATCGTCGACCCACGCGTCCGTCTCGGTCGTGCACCCCCCTAAAG
AGCTTGGTGCAGGAATTTAGCTGTGTTGTCCTGACCCTCAGGACAAACTCATCTAATGCA
GGCTCAGCTTGTACTGAAGGCTTTGTAAACAAGGAAAGTTCTGTAGGGTATCAGCATGGC
ATTTCCAGAGAGTTCTTAATCTACAGATTTATCAAGAACCAGAACCCCATGGACGTCCCT
GAGGGAGATTGAGCCAACCTGGATTTGAGGAAAGAATGAGATAATGTGTGCTCAACGTGT
AACAGACACCCCAGAAGTCAAGTGGCAGAAGGTTTTATATGAGCGGCAGCCGTTCCCTGA
TAACTATGTTGACCAGAGGTTCCTGGAAGAACTCCGGAAAAACATCTATGCCCGGAAGTA
CCAGTACTGGGCTGTGGTATTTGAGTCCAGTGTGGTGATACAGCAGCTGTGCAGTGTCTG
TGTTTTTGTAGTGATCTGGTGGTACATGGATGAGGGTCTTCTGGCTCCCCAGTGGCTTTT
TGGGACCGGACTGGCATCTTCCTTGGTTGGGTATGTTTTATTCGATCTTATCGATGGAGG
TGATGGACNGAAGAAGAGTGGGCGGACCCGGTGGGCCGACCTGAAGAGTACTCTGGTCTT
TATCACTTTCACTTACGGTTTTTCACCTGTGCTAAAGACCCTGACGGAGTCTGTCAGTAC
AGACACTATCTACGCCATGGCAGTCTTTATGCCCTGTAGGCCATCTCATCTTCTTTTGAT
ACCGGTGCCCATGCTGCTATTGTATCCAGCACCCTGTCTTGGACATGAGCATCCTTGCTT
CTGTTTGCCC
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Restriction Sites: Please inquire

ACCN: BC008179

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:
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: BC008179.1, AAH08179.1

RefSeq Size: 1435 bp

Locus ID: 5279

Cytogenetics: 1q24.3

Protein Families: Transmembrane

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

Gene Summary: This gene encodes an endoplasmic reticulum associated protein that is involved in glycosylphosphatidylinositol (GPI) lipid anchor biosynthesis. The GPI lipid anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. The encoded protein is one subunit of the GPI N-acetylglucosaminyl (GlcNAc) transferase that transfers GlcNAc to phosphatidylinositol (PI) on the cytoplasmic side of the endoplasmic reticulum. Two alternatively spliced transcripts that encode the same protein have been found for this gene. A pseudogene on chromosome 11 has also been characterized. [provided by RefSeq, Jul 2008]