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Product datasheet for SC100523

PIGC (NM_153747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGC (NM_153747) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGC
Synonyms:	GPI2; GPIBD16; MRT62
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC100523 sequence for NM_153747 edited (data generated by NextGen Sequencing)

ATGTATGCTCAACCTGTGACTAACACCAAGGAGGTCAAGTGGCAGAAGGTCTTGTATGAG
CGACAGCCCTTTCCTGATAACTATGTGGACCGGCGATTCCTGGAAGAGCTCCGGAAAAAC
ATCCATGCTCGGAAATACCAATATTGGGCTGTGGTATTTGAGTCCAGTGTGGTGATCCAG
CAGCTGTGCAGTGTTTGTGTTTTTGTGGTTATCTGGTGGTATATGGATGAGGGTCTTCTG
GCCCCCCATTGGCTTTTAGGGACTGGCCTGGCTTCTTCACTGATTGGGTATGTTTTGTTT
GATCTCATTGATGGAGGTGAAGGGCGGAAGAAGAGTGGGCAGACCCGGTGGGCTGACCTG
AAGAGTGCCCTAGTCTTCATTACTTTCACTTATGGGTTTTCACCAGTGCTGAAGACCCTT
ACAGAGTCTGTCAGCACTGACACCATCTATGCCATGTCAGTCTTCATGCTGTTAGGCCAT
CTCATCTTTTTTGACTATGGTGCCAATGCTGCCATTGTATCCAGCACACTATCCTTGAAC
ATGGCCATCTTTGCTTCTGTATGCTTGGCATCACGTCTTCCCCGGTCCCTGCATGCCTTC
ATCATGGTGACATTTGCCATTCAGATTTTTGCCCTGTGGCCCATGTTGCAGAAGAAACTA
AAGGCATGTACTCCCCGGAGCTATGTGGGGGTCACACTGCTTTTTGCATTTTCAGCCGTG
GGAGGCCTACTGTCCATTAGTGCTGTGGGAGCCGTACTCTTTGCCCTTCTGCTGATGTCT
ATCTCATGTCTGTGTTCATTCTACCTCATTCGCTTGCAGCTTTTTAAAGAAAACATTCAT
GGGCCTTGGGATGAAGCTGAAATCAAGGAAGACTTGTCCAGGTTCCTCAGTTAA

Clone variation with respect to NM_153747.1
267 t=>c;796 c=>t

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153747 unedited
TAAATTTTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGCTGGGTGCCGC
CGTCCCCCAGCTGCGCAACCCTAGGAACTCTCGGGAACTTGGCTGTGTTGTCCTGCCTCA
GAGACAAATTCATCTATTGTAGGCCTAGCCCCTGCCTTTGAAAACAAGGAAAGGTTGGTA
GAACATCAACACAGCATGGAATTTCCAGGGAGGTCTCATTTCAAAACTTCATAAAGAACA
AGAACCACCTGGACTTCTGTGAGGGCGATGATTAAACTGGCCTGAGTTTGAATGAAAGGA
TAATGTATGCTCAACCTGTGACTAACACCAAGGAGGTCAAGTGGCAGAAGGTCTTGTATG
AGCGACAGCCCTTTCCTGATAACTATGTGGACCGGCGATTCCTGGAAGAGCTCCGGAAAA
ACATCCATGCTCGGAAATACCAATATTGGGCTGTGGTATTTGAGTCCAGTGTGGTGATCC
AGCAGCTGTGCAGTGTTTGTGTTTTTGTGGTTATCTGGTGGTTATGGATGAGGGTCTTCT
GGCCCCCCATTGGCTTTTAGGGACTGGCCTGGCTTCTTCACTGATTGGGTATGTTTTGTT
TGATCTCATTGATGGAGGTGAAGGGCGGAAGAAGAGTGGGCAGACCCGGTGGGCTGACCT
GAAGAGTGCCCTAGTCTTCATTACTTTCACTTATGGGTTTTCACCAGTGCTGAAGACCCT
TACAGAGTCTGTCAGCACTGACACCATCTATGCCATGTCAGTCTTCATGCTGTTAGGCCA
TCTCATCTTTTTTGACTATGGTGCCAATGCTGCCATTGTATCCAGCACACTATCCTTTGA
CATGGCNCATCTTGCTTCTGTATGCTTGGCATCACGTCTTCCCCGGTCCTGCATGCTTCA
TCATGGTGACATTTGCATTCANATTTTTGCCTGTGGNNCCATGTGCAAAGAACTAAAGGC
TGTACTCCCGNAGCTAGTTGGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153747 unedited
NGGGCTACATTATGTACCGCGGCCGCGTTCTGANGATCGGTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGTTTTAAGGGGGGGTCAATTTTTCTT
AAAAGAAAACCCCCTCACTTTCTATGTTACAGCATGGAATTCAAAAGGCCCCAAAAATTT
TTTCCTCTCCCAAATAACCGAAAGGGTAAGCCCCCTCACCACCCAATCCTTTGGGTCATT
TTTTTTGGGTTGGGGGCCTATTCTCTTACCACAATGACATGCTGGTTCCAAAAAGGAACC
CTGGCTTTAAATTCTATACCAGTTAGGAGGCTAATCTATCAGCTTGGTTTAAAAATGGAA
GGGATGGCCCAATTTAACTGAGGAACCCGGACAAGTCTTCCTTGATTTCAACTTCATCCC
AAGGCCCATGAATGTTTTCTTTAAAAAACTGCCAGCCAATGAGGGAAAATGAACCCCGAC
CTGAAATAAACCTCACCCAAAGGGCAAAAAGTACGGGTCCCCCAGCCCTTATGGACAGTA
GGCCCCCCACGGGTGAAAATGCCAAAAGCAGGGGGACCCCCACATAACTCCGGGGAGTAC
ATGCCCTTAATTTCTTCTGCAACATGGGCCCCAGGGCAAAAATCTGAATGGCAAATGTCC
CCCTGATGAAAGCCTGCCGGGACCCGGGGAATACGTGATGCCCAGCCTACAGAACCCAAA
ATGGCCCTGTTCAAAGATAAGGTGCCGGGATACAAGGGCCGGCTTGGCCCCCTAGTCCAA
AAAAATGAAAAGGCCCTAACCCCCTGGAAAACCGGCCTGGGCTAAAATGGGGGACAAGGC
TGAAAAAACTCTGTAAAGGTCCTTCACCCTCGGGGAAAACCCCTAGGGG

Restriction Sites: NotI-NotI

ACCN: NM_153747

Insert Size: 1500 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:	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_153747.1, NP_714969.1
RefSeq Size:	1514 bp
RefSeq ORF:	894 bp
Locus ID:	5279
UniProt ID:	Q92535
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] Transcript Variant: This variant (1) is the predominant transcript. Variants 1 and 2 encode the same protein.