

Product datasheet for **SC207578**

PIGV (NM_017837) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PIGV (NM_017837) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PIGV
Synonyms:	GPI-MT-II; HPMRS1; PIG-V
ACCN:	NM_017837
Insert Size:	2000 bp



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Insert Sequence: >SC207578 3'UTR clone of NM_017837
 The sequence shown below is from the reference sequence of NM_017837. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTACATTGCAACTTCTGCCTTGGACATGACCTGGACTCTCCAGGGACAGGTTGGAAGCCAACCTTAACC
CAGGGGTCTGAAAGTAAAAATACACATTGGAAGTGCCTCTGCTGCCCTGGGATCATTACTGTGTCCATT
ATAATCTTTCTCTTTCTTTGAAAGCTGGTCAAGATGGGAGAAGTGTGACACTAGAGAGCCCTT
CTGGTCTGGCTAGGGCAAATTTAGACAACTATTTTCTCTGTAAGTGAAGATTGTCGATTCCAAGTC
TAAATACACCTGGATCTGTCTAGTCAATCAACATAGCAGAGACAGTCTTAAACCTACCATTGACCTGT
GTGTAATTTAAATGTCAATTTATTGAAGTGTAAATTTTCAATCAAAGGCATTAGCTGACAGGCTGGTAAC
AGTCCACACAAGATGGTATAGCCCTGAACAGTGTAGTGGCAGTAATAAAGTGGGACCATTTTTCCAAA
TGCGACATTGTTTCTGATGTTTTTTTTATGATTTGTGCATGTATTTTTATGAAAAAACTTACAAA
GATATGCAAAATAAACTCTTTTCAAGTATACATGCAATGAATTGCCTTTTTAAAAATAATACAGGCCAG
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GTTTGAGACCGGCTGGCCAACATGGCAAAACCCGCTCTACTAAAAATACAAAATTAGCCGTGCAT
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AGTAAAAACCCATTTACCAGCCATGTGACTTGGGAGATTTTTCAGAACCTTAGTTACCACCTCTGAAAC
CATGGGAAATGATGATATTCTTTCAGGGGTGGTGGTGAATGATGCAGTCTCTTGTAGTCCCTTTCTGC
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CACGGCGGCAGGAATTGGTAAATGTACGTAAGTCCAAGGTGGAATGAAATGGTATCTGCCCTGCTTCC
TGGCCCCGTTTTGGTTCATGAGCCTACTATAATGGTAGTAAGTCACTGGCCCTGCTGAGCTACTT
TTGCCCATTCCTTGGCCAGACGAGAGTTTGGCTCTGTATCATCCATCACCTCTTTTATTTCCATTTA
AGCAAAAACATCCAGTAAGCAGAAACTTTCAAAACAGATGGGTAAATCATAAGCAGCTTCTGGAAAGCC
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GCTCCTGGCTGAGCCCCAGCACCTCTGTTGGAGCTTCTGGTCAGCCTGGCCAATAAGCATTTCATC
CATCGCCCAGCACTAGGACAGCTGAGAGAATTTGGTTCAGAGTCAAAATGCTTCTGAAAATGTACACAC
AGATCAGGGCAGCCCTCTGCCTTCTGCCAAGACACCAAGTGCCTTCTTGGCAAACGATGATCACCCC
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_017837.4](#)

Summary:

This gene encodes a mannosyltransferase enzyme involved in the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is a complex glycolipid that functions as a membrane anchor for many proteins and plays a role in multiple cellular processes including protein sorting and signal transduction. The encoded protein is localized to the endoplasmic reticulum and transfers the second mannose to the GPI backbone. Mutations in this gene are associated with hyperphosphatasia cognitive disability syndrome. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]

Locus ID:

55650

MW:

73.9