

Product datasheet for SC111852

PIGO (NM_032634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGO (NM_032634) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGO
Synonyms:	HPMRS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032634, the custom clone sequence may differ by one or more nucleotides

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ATGCAGAAAGCCTCAGTGTGCTCTTCCTGGCCTGGGTCTGCTTCTCTACGCTGGCATTGCCCTCT
TCACCAGTGGCTTCTGCTCACCCGTTTGGAGCTCACCAACCATAGCAGCTGCCAAGAGCCCCAGGCC
TGGGTCCCTGCCATGGGGAGCCAAGGGAAACCTGGGGCTGCTGGATGGCTTCCCGATTTTCGCGGTT
GTGTTGGTGTGATAGATGCTCTGCGATTTGACTTCGCCAGCCCCAGCATTACACGTGCCTAGAGAGC
CTCCTGTCTCCCTACCTTCTGGGCAACTAAGCTCCTTGCCAGAGGATCCTGGAGATTCAGCCCCACCA
TGCCCGGCTCTACCGATCTCAGGTTGACCCTCCTACCACCACCATGCAGCGCCTCAAGGCCCTCACCACT
GGCTCACTGCCTACCTTTATTGATGCTGGTAGTAACCTTCGCCAGCCACGCCATAGTGAAGACAATCTCA
TTAAGCAGCTCACCAGTGCAGGAAGGCGTGTAGCTTTCATGGGAGATGATACCTGAAAGACCTTTTCCC
TGGTGCTTTCTCAAAGCTTTCTTCTTCCCATCCTTCAATGTCAGAGACCTAGACACAGTGGACAATGGC
ATCCTGGAACACCTCTACCCACCATGGACAGTGGTGAATGGGACGTGCTGATTGCTCACTTCTGGGTG
TGGACCACTGTGGCCACAAGCATGGCCCTCACCACCTGAAATGGCCAAGAACTTAGCCAGATGGACCA
GGTGATCCAGGGACTTGTGGAGCGTCTGGAGAATGACACACTGCTGGTAGTGGCTGGGGACCATGGGATG
ACCACAAATGGAGACCATGGAGGGGACAGTGGAGTGGAGTCTCAGCTGCTCTTTCTGTATAGCCCCA
CAGCAGTCTTCCCAGCACCCACCAGAGGAGCCAGAGGTGATTCTCAAGTTAGCCTTGCCCCACGCT
GGCCCTGCTGCTGGCCCTGCCATCCCATTGGGAATATCGGGGAAGTATGGCTGAGCTATTCTCAGGG
GGTGAGGACTCCCAGCCCCACTCCTCTGCTTTAGCCCAAGCCTCAGCTCTCCATCTCAATGCTCAGCAGG
TGTCCCGATTTCTCATACCTACTCAGCTGCTACTCAGGACCTTCAAGCTAAGGAGCTTCATCAGCTGCA
GAACCTCTTCTCAAAGGCTCTGCTGACTACCAGTGGCTTCTCCAGAGCCCCAAGGGGGCTGAGGCGACA
CTGCCGACTGTGATTGCTGAGCTGCAGCAGTTCCTGCGGGGAGCTCGGGCCATGTGCATCGAGTCTTGGG
CTCGTTTCTCTGCTCCGATGGCGGGGGTACTGCTCTTTGGCTGCTTCTGCTTTATCTGCCTGCT
GGCATCTCAGTGGCAATATCCCAGGCTTTCCATTCTGCCCTCTACTCTGACACCTGTGGCTGGGGC
CTGTTTGGGGCCATAGCGTATGCTGGACTCCTGGAACTATTGAGCTGAAGCTAGATCTAGTCTTCTAG
GGCTGTGGCTGCAGTGAGCTATTCTCCCTTTCTGTGAAAGCCTGGCTGGCTGGGGTCCAAGAG

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GCCCCTGGCAACCCTGTTTCCCATCCCTGGGCCCGTCCTGTTACTCCTGCTGTTTCGCTTGGCTGTGTTCTTCTCTGATAGTTTTGTTGTAGCTGAGGCCAGGGCCACCCCTTCTTTTGGGCTCATTATCCTGCTCCGGTTGTCCAGCTTCACTGGGAGGGCCAGCTGCTTCCACCTAAGCTACTACAATGCCCCGCCTTGGCAC TTCAGCCACAACAACCCCCACGGCACAATGGTGCATATGCCCTGAGGCTTGAATTGGTTGCTTTTATGTACAAGGCTAGCTGGGCTTTTTCATCGTTGCCCTGAAGAGACACCTGTTTGCCACTCCTCTCCCTGGCTGAGTCCCTCTGGCATCCATGGTGGTGGTTCGAGCCAAGAATTTGTGGTATGGAGCTTGTGTGGCGGCGCTGGTGGCCCTGTAGCTGCCGTGCCCTTGTGGCTTCGCCGCTATGGTAATCTCAAGAGCCCCGAGCCACCCATGCTCTTTGTGCGCTGGGACTGCCCTAATGGCATTGGGACTGCTGCCTACTGGGCATTGGCGTCGGGGCAGATGAGGCTCCCCCGTCTCCGGTCTGGTCTCTGGGCATCCATGGTCTGCCTCGGCTGTAGCAGGGCTGGCTGCTTCAGGGCTCGCGTCTGCTCTGGAAGCCTGTGACAGTCTGGTGAAGGCTGGGCGAGGGCTCCAAGGACCAGGACTGTCTCACTCCCTTCTCAGGCCCCCCACTTCTCAAGCTGACTTGGATTATGTGGTCCCTCAAATCTACCGACACATGCAGGAGGAGTCCGGGGCCGGTTAGAGAGGACCAAATCTCAGGGTCCCCTGACTGTGGTCTTATCAGTTGGGGAGTGTCTACTCAGCTGCTATGGTACAGCCCTCACCTGTTGGCCTTCCCCTTCTGCTGTTCATGCGGAGCGCATCAGCCTGTGTTCTGCTTCTGTTTCGTCAGAGCTTCTCTCCTACATCTGCTTGTCTGCTGGGATACCCGTACCACCCCTGGTCTTTTACTGTGCCATGGCAGGACAGTCTCGGCTTGGGCCCTCATGGCCACACAGACCTTCTACTCCACAGGCCACAGCCTGTCTTCCAGCCATCCATTGGCATGCAGCCTTCGTGGGATTCAGAGGGTCCATGGCTCCTGTACTTGGCTGCCTTGTGCTAGTGGGAGCCAAACCTTTGCCTCCCACCTCCTTTGCAGTAGGTTGCCACTGCTCCTGCTCTGGCCTTCTGTGTGAGAGTCAAGGGCTGCGGAAGAGACAGCAGCCCCAGGGAATGAAGCTGATGCCAGAGTCAGACCCGAGGAGGAAGAGGAGCCACTGATGGAGATGCGGCTCCGGGATGCGCCTCAGCACTTCTATGCAGCACTGCTGCAGCTGGGCTCAAGTACCTTTTATCCTTGGTATTCAGATTCTGGCCTGTGCTTGGCAGCCTCCATCCTTCGAGGCATCTCATGGTCTGAAAGTGTGGCCCTAAGTTCATATTTGAGGCTGTGGGCTTCAATGTGAGCAGCTGGGACTTCTCTGGGCATAGCTTTGGTGATGAGAGTGGATGTGCTGTGAGCTCCTGGTTCAGGCAGCTATTTCTGGCCACGAGAGGTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032634 unedited
 ATTTTGTAAATACGACTCACTATAGGGCGGCCGCGATTCCGGCACGAGGTTGCCACCCCAACCCACATTACACGTGCCTAGAGAGCCTCCTGTCTCCCTACCCTTCTGGGCAAATAAGCTCCTTGCAGAGGATCCTGGAGATTACGCCCCACCATGCCCGGCTCTACCGATCTCAGGTTGACCTCCTACCACCACCATGCAGCGCCTCAAGGCCCTCACCACTGGCTCACTGCCTACCTTATTGATGCTGGTAGTAACCTTCGCCAGCCACGCCATAGTGAAGACAATCTCATTAAAGCAGCTCACCAGTGCAGGAAGGCGTGTAGTCTTCATGGGAGATGATACCTGGAAGACCTTTTCCCTGGTGCTTTCTCAAAGCTTTCTTCTTCCCATCCTTCAATGTCAGAGACCTAGACACAGTGGACAATGGCATCCTGGAACACCTCTACCCACCATGGACAGTGGTGAATGGGACGTGCTGATTGCTCACTTCTGGGTGTGGACCACTGTGGCCACAAGCATGGCCCTCACCACCTGAAATGGCCAAGAACTTAGCCAGATGGACCAGGTGATCCAGGGACTTGTGGAGCGTCTGGAGAATGACACACTGCTGGTAGTGGCTGGGGACCATGGGATGACCACAAATGGAGACCATGGAGGGACAGTGAGCTGGAGGTCTCAGCTGCTCTNTCTGTATAGCCCCACAGCAGTCTTCCCCAGCACCCACCCAGAGAGCCAGAGGTATCCTCAAGTTAGCCTTGTGCCACGCTGGCCCTGCTGCTGGGCTGCCATCCCATTGGGAATATCGGNGAAGTATGGCTGAGCTATTCTCAGGGGTGAGGACTNCCAGCCCACCTNCTCTGCTTTAGCCCAGCCTCAGCTCATCTCATGCTCAGCAGTGGTCCCATTCTCATACCTACCAGCTGCTACTCAGACTTCAAGCTAGAGCTCANAGCTGAGAACTTTCTCAGCC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032634 unedited CGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATATTATCATTATTATTACA CTTTTTTTTAAATAGTAGAGACGGGGTCTTGTTATGTTCCACAGGCTGGTCTTGAAGTCC TGGGACCAAGCAATCCTCCCACCTCTGCCTCCCAAAGTGTGGGATTATAGGTGCAAGTC ACCACGCCCGGCTATTTTATTTCCACTTCGGAGACCGCCCCCTGTCCCTCAGATGCAT CCAAATCAGGAGTTAGGGATCATACTCCACTGTGGTCTGAATTATAGAATAATGAAGTC CTAGATGTCAGCGGCCCTGGCTGCATGATAGTAAGAGTATGGCTGAGCCTGTCTTGAG ATCATCCAGTACCTGTACAGGCCAGGCTACACTGTTCTCCAGCACTCTCTGTAGCCAAGT GCCAGTAATCACAGACTAGGCTACCTCTGCTGGGCCAGAAATAGTGCCTGAACCAAGGAG CTCACAGCACCATCCACTCTCATACCAAAGCTATGCCAGGAGAAGTCCCAACCTGCTC ACAATGAAGCCCACAGCCTCAAATATGAACCTAGGGGCAAACACTTTCCAGACCATGAGA TGCCTGCGAAGGATGGAGGCTGCCAAGGCACAGGCCAGAATCTGAATACCAAGGGATAAG AGGTACTTGAGGCCAGCTGCAGCAGTGTGCATAAAAGTGTGAGGCGCATCCCGGAGC CCGATCTTCATCAATGGCTCCCTCTTCTCTGGGTCTGACTCTGGCATCAGTTCCATC CCTGGGGGCTGTGTCTTCCGCAACCTTTGATTCTCCACAGAAAGGCCACACCAGAA CAGTGGGCACCTACTGCAAAGAGGAGTGGGCAGCAAAGTGGTGGTCCCCTTCAAAGCA GCGCCCAGGTGAGGAGCATGAACTTTGAAAACCCACAAGGCTGCTTCCATGAATGCTGA AAAACAGCTGGGGCTGGGAATAAAGTCTGGTGGCCATAGGCCCAACCGAACTGTCTGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_032634
Insert Size:	2200 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:	NM_032634.1 , NP_116023.1
RefSeq Size:	4087 bp
RefSeq ORF:	1365 bp
Locus ID:	84720
UniProt ID:	Q8TEQ8
Cytogenetics:	9p13.3
Protein Families:	Transmembrane

Protein Pathways:

Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

Gene Summary:

This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. This protein is involved in the transfer of ethanolaminephosphate (EtNP) to the third mannose in GPI. At least three alternatively spliced transcripts encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).