

## Product datasheet for **SC318490**

### 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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318490 representing NM_032634. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**  
ATGCAGAAAGCCTCAGTGTGCTTCTCCTGGCCTGGGTCTGCTTCTTCTACGCTGGCATTGCCCTC  
TTCACCAAGTGGCTTCTGCTCACCCGTTTGAGGCTCACCAACCATAGCAGCTGCCAAGAGCCCCAGGC  
CCTGGGTCCCTGCCATGGGGGAGCCAAGGGAAACCTGGGGCTGCTGGATGGCTTCCCGATTTTCGCGG  
GTTGTGTTGGTGTGATAGATGCTCTGCGATTTGACTTCGCCAGCCCCAGCATTACACGTGCCTAGA  
GAGCCTCTGTCCCTACCCTTCTGGCAAACCTAAGCTCCTTGACAGAGGATCCTGGAGATTACAGCCC  
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ACCACTGGCTCACTGCCTACCTTTATTGATGCTGGTAGTAACTTCGCCAGCCACGCCATAGTGGAAGAC  
AATCTCATTAAAGCAGCTCACCAGTGCAGGAAGCGGTGTAGTCTTCATGGGAGATGATACCTGGAAAGAC  
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GACAATGGCATCCTGGAACACCTCTACCCACCATGGACAGTGGTGAATGGGACGTGCTGATTGCTCAC  
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TCCTGCTTATCTGCCTGCTGGCATCTCAGTGGGCAATATCCCCAGGCTTCCATCTGCCCTCTACTC  
CTGACACCTGTGGCTGGGCCTGGTGGGCCATAGCGTATGCTGGACTCCTGGAACTATTGAGCTG



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AAGCTAGATCTAGTGCTTCTAGGGGCTGTGGCTGCAGTGAGCTCATTCCCTCCCTTTCTGTGAAAAGCC
TGGGCTGGCTGGGGTCCAAGAGGCCCTGGCAACCCTGTTTCCCATCCCTGGGCCGCTCCTGTTACTC
CTGCTGTTTCGCTTGGCTGTGTTCTTCTCTGATAGTTTTGTTGTAGCTGAGGCCAGGGCCACCCCTTC
CTTTGGGCTCATTATCCTGCTCCTGGTTGTCCAGCTTCACTGGGAGGGCCAGCTGTTCCACCTAAG
CTACTACAATGCCCCGCTTGGCACTTCAAGCACAACAACCCACGGCACAATGGTGCATATGCC
CTGAGGCTTGAATTGGTTGCTTTTATGTACAAGGCTAGCTGGCTTTTTCATCGTTGCCCTGAAGAG
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TATGTAATCTCAAGAGCCCGAGCCACCCATGCTCTTTGTGCGCTGGGACTGCCCTAATGGCATTG
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TCTGGGCATCCATGGTGTGCTCGGGCTGTAGCAGGGCTGGCTGTTCAAGGGTCGCGCTGCTGCTC
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GAGGAGTTCGGGGCCGGTTAGAGAGGACCAAATCTCAGGGTCCCCTGACTGTGGCTGCTTATCAGTTG
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TTCGTGGGATTCAGAGGGTCAATGGCTCCTGTACTTGGCTGCCTGCTTTGCTAGTGGGAGCCAACACC
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CAAGGGCTGCGGAAGAGACAGCAGCCCCAGGGAATGAAGCTGATGCCAGAGTCAAGCCGAGGAGGAA
GAGGAGCCACTGATGGAGATGCGGCTCCGGGATGCGCCTCAGCACTTCTATGCAGCACTGCTGCAGCTG
GGCCTCAAGTACCTCTTTATCCTTGGTATTAGATTCTGCCTGTGCTTGGCAGCCTCCATCCTCGC
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CAGCTATTTCTGGCCAGCAGAGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_032634
- Insert Size:** 3270 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_032634.2</u>
<b>RefSeq Size:</b>	4087 bp
<b>RefSeq ORF:</b>	3270 bp
<b>Locus ID:</b>	84720
<b>UniProt ID:</b>	<u>Q8TEQ8</u>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
<b>MW:</b>	118.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>