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Product datasheet for SC110703

PIGO (NM_152850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGO (NM_152850) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIGO
Synonyms:	HPMRS2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_152850, the custom clone sequence may differ by one or more nucleotides

ATGCAGAAAGCCTCAGTGTTGCTCTTCCTGGCCTGGGTCTGCTTCCTCTTCTACGCTGGCATTGCCCTCT
TCACCAGTGGCTTCCTGCTCACCCGTTTGGAGCTCACCAACCATAGCAGCTGCCAAGAGCCCCCAGGCCC
TGGGTCCCTGCCATGGGGGAGCCAAGGGAAACCTGGGGCCTGCTGGATGGCTTCCCGATTTTCGCGGGTT
GTGTTGGTGCTGATAGATGCTCTGCGATTTGACTTCGCCCAGCCCCAGCATTCACACGTGCCTAGAGAGC
CTCCTGTCTCCCTACCCTTCCTGGGCAAACTAAGCTCCTTGCAGAGGATCCTGGAGATTCAGCCCCACCA
TGCCCGGCTCTACCGATCTCAGGTTGACCCTCCTACCACCACCATGCAGCGCCTCAAGGCCCTCACCACT
GGCTCACTGCCTACCTTTATTGATGCTGGTAGTAACTTCGCCAGCCACGCCATAGTGGAAGACAATCTCA
TTAAGCAGCTCACCAGTGCAGGAAGGCGTGTAGTCTTCATGGGAGATGATACCTGGAAAGACCTTTTCCC
TGGTGCTTTCTCCAAAGCTTTCTTCTTCCCATCCTTCAATGTCAGAGACCTAGACACAGTGGACAATGGC
ATCCTGGAACACCTCTACCCCACCATGGACAGTGGTGAATGGGACGTGCTGATTGCTCACTTCCTGGGTG
TGGACCACTGTGGCCACAAGCATGGCCCTCACCACCCTGAAATGGCCAAGAAACTTAGCCAGATGGACCA
GGTGATCCAGGGACTTGTGGAGCGTCTGGAGAATGACACACTGCTGGTAGTGGCTGGGGACCATGGGATG
ACCACAAATGGAGACCATGGAGGGGACAGTGAGCTGGAGGTCTCAGCTGCTCTCTTTCTGTATAGCCCCA
CAGCAGTCTTCCCCAGCACCCCACCAGAGGAGCCAGAGGTGATTCCTCAAGTTAGCCTTGTGCCCACGCT
GGCCCTGCTGCTGGGCCTGCCCATCCCATTTGGGAATATCGGGGAAGTGATGGCTGAGCTATTCTCAGGG
GGTGAGGACTCCCAGCCCCACTCCTCTGCTTTAGCCCAAGCCTCAGCTCTCCATCTCAATGCTCAGCAGG
TGTCCCGATTTCTTCATACCTACTCAGCTGCTACTCAGGACCTTCAAGCTAAGGAGCTTCATCAGCTGCA
GAACCTCTTCTCCAAGGCCTCTGCTGACTACCAGTGGCTTCTCCAGAGCCCCAAGGGGGCTGAGGCGACA
CTGCCGACTGTGATTGCTGAGCTGCAGCAGTTCCTGCGGGGAGCTCGGGCCATGTGCATCGAGTCTTGGG
CTCGTTTCTCTCTGAGCTTCCTTCTCCTACATCTGCTTGCTGCTGGGATACCCGTCACCACCCCTGGTCC
TTTTACTGTGCCATGGCAGGCAGTCTCGGCTTGGGCCCTCATGGCCACACAGACCTTCTACTCCACAGGC
CACCAGCCTGTCTTTCCAGCCATCCATTGGCATGCAGCCTTCGTGGGATTCCCAGAGGGTCATGGCTCCT
GTACTTGGCTGCCTGCTTTGCTAGTGGGAGCCAACACCTTTGCCTCCCACCTCCTCTTTGCAGTAGGTTG
CCCACTGCTCCTGCTCTGGCCTTTCCTGTGTGAGAGTCAAGGGCTGCGGAAGAGACAGCAGCCCCCAGGG
AATGAAGCTGATGCCAGAGTCAGACCCGAGGAGGAAGAGGAGCCACTGATGGAGATGCGGCTCCGGGATG
CGCCTCAGCACTTCTATGCAGCACTGCTGCAGCTGGGCCTCAAGTACCTCTTTATCCTTGGTATTCAGAT
TCTGGCCTGTGCCTTGGCAGCCTCCATCCTTCGCAGGCATCTCATGGTCTGGAAAGTGTTTGCCCCTAAG
TTCATATTTGAGGCTGTGGGCTTCATTGTGAGCAGCGTGGGACTTCTCCTGGGCATAGCTTTGGTGATGA
GAGTGGATGGTGCTGTGAGCTCCTGGTTCAGGCAGCTATTTCTGGCCCAGCAGAGGTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152850 unedited
TTCCCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA
GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCGA
ATTCGGCACGAGGCTCCAAAGCTTTCTTCTTCCCATCCTTCAATGTCAGAGACCTAGACA
CAGTGGACAATGGCATCCTGGAACACCTCTACCCCACCATGGACAGTGGTGAATGGGACG
TGCTGATTGCTCACTTCCTGGGTGTGGACCACTGTGGCCACAAGCATGGCCCTCACCACC
CTGAAATGGCCAAGAAACTTAGCCAGATGGACCAGGTGATCCAGGGACTTGTGGAGCGTC
TGGAGAATGACACACTGCTGGTAGTGGCTGGGGACCATGGGATGACCACAAATGGAGACC
ATGGAGGGGACAGTGAGCTGGAGGTCTCAGCTGCTCTCTTTCTGTATAGCCCCACAGCAG
TCTTCCCCAGCACCCCACCAGAGGAGCCAGAGGTGATTCCTCAAGTTAGCCTTGTGCCCA
CGCTGGCCCTGCTGCTGGGCCTGCCCATCCCATTTGGGAATATCGGGGAAGTGATGGCTG
AGCTATTCTCAGGGGGTGAGGACTCCCAGCCCCACTCCTCTGCTTTAGCCCAAGCCTCAG
CTCTCCATCTCAATGCTCAGCAGGTGTCCCGATTTCTTCATACCTACTCAGCTGCTACTC
AGGACCTTCAAGCTAAGGAGCTTCATCAGCTGCAGAACCTCTTCTCCAAGGCCTCTGCTG
ACTACCAGTGGCTTCTCCAGAGCCCCAGGGGGCTGAGGCGACACTGCCGACTGTGATTGC
TGAGCTGCAGCAGTTCCTGCNGNGAGCTCGGGCCATGTGCATCGAGTCTTGGGCTCGTTN
CTCTCTGGTCGCATGGCNGGGGGTACTGCTCTCTTGGCTGCTTCCTGCTTTATCTGC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_152850 unedited
AGNGTTCGGTTTTTTTTTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTATATTATCATTTTATTACACTTTTTCTTTAAATAGTAAAAACGGGGTCTTGTTATG
TTCCAAAAGCTGGTCTTGAACTCCTGGGACCAAACAATCCTCCCACCTTTGCCTCCCAAA
GATGCTGGGATTTTAGGGGCAAGTCACCACCCCCGGCCTATTTTATTCCACTTTGGAAAC
CGCCCCCCTTGGCCCTCTCAAATGGCCTCCCCAAAAATTTTCCTTAAAGGGTGTGGGGGG
CGGTGGTGGGCGCTCCGTTTTTCCGCCCTTTTTCTGTGTTGGCCCCTTTTTTTTGGCCGG
CCCGGCCGCGCCCGTCTGCNTCGGTTTTCTTTCCCCCGTCTTTCTGGGTCCTGGTGTGTC
CCGCGCGCGTTTTCGTGCGCCGGCGTTCCTCCGCTTTCCCCCTGTGTTTGGGTTTTTTGC
TGCCTTCTCGTTTCCCTTTCGTTCCCTCCGCCCTTTTTCTCTCCGCCTTATTTCTCCTTT
TCGCTTCGGGTTCCGCGGGGCTTTTCGCGGTCTCCCGCTTTTGGTCCCCCCGCTGCTTGC
TTTTCCCCCCGTTTTTTTCCCCTGTCGCTTCCCCCGCTCTTTCCCCCCCCGGCTCGTTCC
CCCCCTTCCTTTCTTTTCGATTCTTCTCCTCGTCTCTCTTGCTTTTATCGTCCGCTCTGT
TCGCGTGTTCCCCCGTTCCGGTTCGCTTTGCTCTCGCCGGTGCCGTGTCGTGGCTCAGTG
CGCGTTCCTCCCTGCCGCGGTCCCGTGACGCCCNCGCGTGGTCCTGGTTTGCCGCGTTTG
TCGTCTCGTGTTCTCGTAGTGTGCCCGCTCTCCCCTCCGCCGATCATTTGTAAAACAAAA
TAG
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Restriction Sites: NotI-NotI

ACCN: NM_152850

Insert Size: 3200 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_152850.2, NP_690577.2

RefSeq Size: 2459 bp

RefSeq ORF: 2019 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 (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (2) has the same N- and C-termini but lacks an internal segment compared to isoform 1. Variants 2 and 3 both encode the same isoform (2).