

Product datasheet for RC222262

PIGO (NM_032634) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIGO (NM_032634) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PIGO
Synonyms: HPMRS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC222262 representing NM_032634
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCCGGATCGCC

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 TCACCAGTGGCTTCTGCTCACCCTTTGGAGCTACCAACCATAGCAGCTGCCAAGAGCCCCAGGCC
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 GTGTTGGTGTGATAGATGCTCTGCGATTTGACTTCGCCCAGCCCCAGCATTACACGTGCCTAGAGAGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RC222262 representing NM_032634
 Red=Cloning site Green=Tags(s)

MQKASVLLFLAWVCFLYAGIALFTSGFLLTRLELTNHSSCQEPGPGSLPWGSQKPGACWMSRFSRV
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 TLLAFPLLLLHAERISLVFLLLFLQSFLLLHLLAAGIPVTTGPFVTPWQAVSAWALMATQTFYSTGHQP
 VFP AIHWHA AFVGFPEGHSCTWLPALLVGANTFASHLLFAVGCP LLLLWPFLCESQGLRKRQPPGNEA
 DARVRPEEEEEPLMEMRLRDAPQHFYAALLQLGLKYLFI LGIQILACAL AASILRRHLMVWVVFAPKFI
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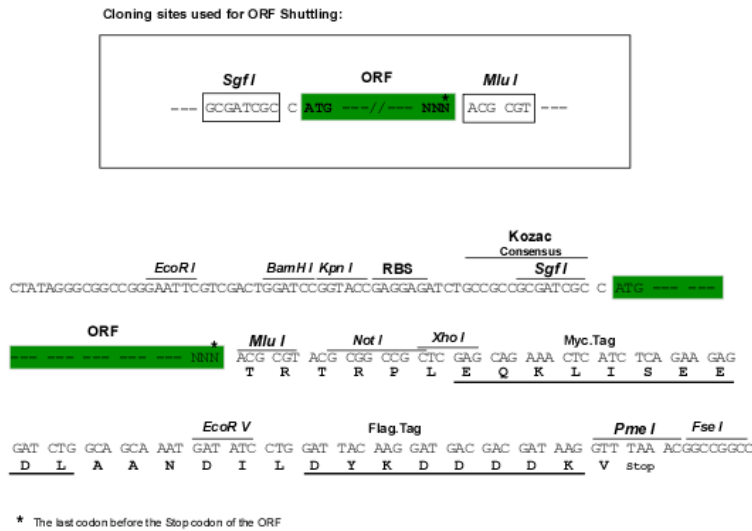
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8011_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032634

ORF Size: 3267 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_032634.4](#)

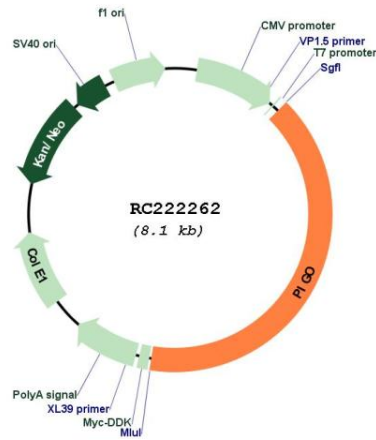
RefSeq Size: 4076 bp

RefSeq ORF: 3270 bp

Locus ID: 84720

UniProt ID:	<u>Q8TEQ8</u>
Cytogenetics:	9p13.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
MW:	118.5 kDa
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]

Product images:



Circular map for RC222262