

## Product datasheet for **MR207911**

### **Pigv (NM\_178698) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pigv (NM_178698) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigv
Synonyms:	B330013B03; D430024F16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207911 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGACTCCTGGACCCATCCAGAAAGAGGTGCTGAGATTTCGAGTAACTGCCGCATCCTGACTCTAG  
 TGCTACAGGCACTCTCAACCTCATCATCCAGATCACCACGCAGATGCCTTTTGCCCTCCCGCCTCGC  
 CCCCTCGGGCTCTGCGGATCAGCTTGTGGAAGGCTTCTGGGTGGTCTGTCTCGATGGGATGCTGAACAC  
 TTCCTGTTATCGCTGAGCACGGCTACCTTTATGAGCACAACCTTGCCTTCTCCCTGGCTTTCCCTTGG  
 CCCTGCTGATGGGGACTGAGCTGCTGAGACCCTTGCAGGGCCTTTCAGCCAGCGCAGTTGCCTGCTGGT  
 CTCAGTAGCACTTCTCAACTTGTGTTCTCCGTGCTGGCTGCAGTGGCACTCCATGACTTGGGTTGTCTG  
 GTTCTGCACTGTCTCGGCAGGCCTTGTGTGCAGCGCTGCTTCTGCATCAGTCTGCCAACGTTTTCC  
 TGGCAGCCGGCTACTCAGAGGCTTTGTTGCCTTCTGACGTTTCAGCGCCATGGGGCAGCTGGAGAGGGG  
 CCGTGGCTGGGCTAGTGGGCTGCTTTTGTCTTCTGCTGCTGGGTGCGCTCCAATGGGCTGGTGGCCTT  
 GGCTTCTCTGCACTCCAGTGCAGAGGCTTTTGTCTCTCTGCGCGTCTGAGCCCTGGAAGCCCC  
 TCGTGAAGCTGATGGCCTCTGTGTGCTTGTGCGGTGCTCATAGTCAGCCTTCCCTTCGCCCTTTTTCAGTA  
 TCGTGCCTACATCCAGTTCTGCTCACCAGGCTCAGCCCCCTCCATCCCTGAGCCCTTGTGCAGTAGCT  
 GCCGACAAAGGCTACCGGCTTGCAGGAGAAAATGCACCCCATGGTGTCTCTGGGACCTTCTCTAATAT  
 ACAACTATATTCAGGATGTCTACTGGAATGTTGGTCTTCTGCGATACTATGAGCTCAAACAGGTGCCCAA  
 TTTCTACTAGCTACACCAGTGACAGTACTGGTGTGTGGCAACCTGGACATA GTGACCACCCACCT  
 TGGCTCTGCCTTACACTTGGGCTGCAAAGAACCAAGGACAGGAGAACC CGGAGAAGCCCCACCGTGGCT  
 TCCTGAGTCCGAAGGTGTTGTGTACTGTCCACGCTGCAGCTGCTGGTCTTTGGAGGCTGTGCAT  
 GCATGTCCAGGTTCTCAGCGGTTTTTGGCCTTCTCCACTCCTATCATGTACTGGTTTCCAGCTCACCTG  
 CTTCAGGATCAAGAACCCTGCTGAGGTGTGTGGACACAGAGCCTGGGAAGCTTCTCAGGAGAAGTCCC  
 CACCAGGACAGAAGGCCCCAGAACTGTCTCATGAACTCTTCTACAATTGGAAGAGATGCTCTCCAGT  
 CACAAGATGCGTTCTGGTCTACTTCTGACCTACTGGCTTCTGGGACTAATTCTCCATTGCAACTTCTG  
 CCTTGGACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207911 protein sequence  
 Red=Cloning site Green=Tags(s)

MGLLDPSQKEVLRFAVNCRILTLVLQALFNLIIPDHADAFPPRLAPSGSADQLVEGLLGGLSRWDAEH  
 FLFIAEHGYLYEHNFAFFPGFPLALLMGTELLRPLQGLLSQRSCLLVSVALLNLLF SVLAAVALHDLGCL  
 VLHCPRQALCAALLFCISPANVFLAAGYSEALFAFLTFSAMGQLERGRGWASGLLFAAAGVRSNGLVSL  
 GFLLHSQCRGFCSLAVLSPWKPLVKLMASVCLSVLIVSLPFALFYRAYIQFCSPGSAPSIPEPLLQLA  
 ADKGYRLAGENAPPWCSWDLPLIYNYIQDVYWNVGLLRYELKQVPNFLLATPVTVLVWVATWTVYTTTHP  
 WLCLTLGLQRTKDRENPEKPHRGFLSPKVFVYL VHAAALLVFGGLCMHVQVLRFLASSTPIMYWFPAHL  
 LQDQEPLLRVDTEPGKLPQEKSPPGQKAPRNCLMKLFYNWKRCSVPVTRCVLVYFLTYWLLGLILHCNFL  
 PWT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_178698

**ORF Size:** 1482 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\\_178698.1](#), [NM\\_178698.2](#), [NM\\_178698.3](#), [NM\\_178698.4](#), [NM\\_178698.5](#), [NP\\_848813.2](#)

**RefSeq Size:** 2941 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 230801

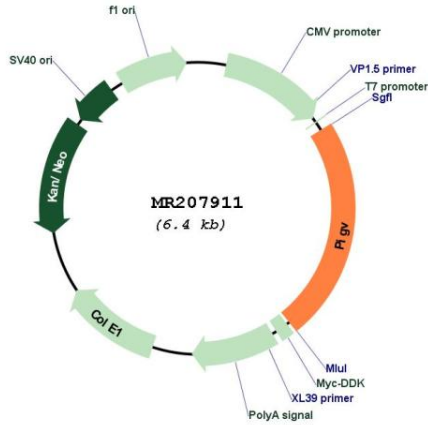
**UniProt ID:** [Q7TPN3](#)

**Cytogenetics:** 4 D2.3

**MW:** 55 kDa

**Gene Summary:** Alpha-1,6-mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers the second mannose to the glycosylphosphatidylinositol during GPI precursor assembly (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207911