

# **Product datasheet for MR217573**

## Pigv (NM\_001145956) Mouse Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Pigv (NM 001145956) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Pigv

**Synonyms:** B330013B03; D430024F16Rik

**Vector:** pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >MR217573 representing NM\_001145956
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGACTCCTGGACCCATCCCAGAAAGAGGTGCTGAGATTCGCAGTAAACTGCCGCATCCTGACTCTAG
TGCTACAGGTTCTCACGCGGTTTTTTGGCCTCTTCCACTCCTATCATGTACTGGTTTCCAGCTCACCTGCT
TCAGGATCAAGAACCGCTGCTGAGGTGTGTGGACACAGAGCCTGGGAAGCTTCCTCAGGAGAAGTCCCCA
CCAGGACAGAAGCCCCCAGAAACTGTCTCATGAAACTCTTCTACGATTGGAAGAGATGCTCTCCAGTCA
CAAGATGCGTTCTGGTCTACTTCCTGACCTACTGGCTTCTGGGACTAATTCTCCATTGCAACTTCCTGCC

**TTGGACT** 

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR217573 representing NM\_001145956

Red=Cloning site Green=Tags(s)

MGLLDPSQKEVLRFAVNCRILTLVLQVLTRFLASSTPIMYWFPAHLLQDQEPLLRCVDTEPGKLPQEKSP

PGQKAPRNCLMKLFYDWKRCSPVTRCVLVYFLTYWLLGLILHCNFLPWT

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

**Restriction Sites:** Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

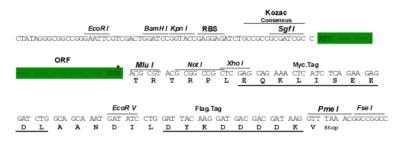
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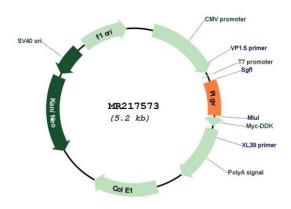
#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

#### Plasmid Map:



**ACCN:** NM\_001145956

ORF Size: 357 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

## Pigv (NM\_001145956) Mouse Tagged ORF Clone - MR217573

**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:** <u>NM 001145956.1</u>, <u>NP 001139428.1</u>

 RefSeq Size:
 1819 bp

 RefSeq ORF:
 360 bp

 Locus ID:
 230801

 UniProt ID:
 Q7TPN3

 Cytogenetics:
 4 D2.3

 MW:
 14.3 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]