

Product datasheet for **MC228072**

Pigw (NM_001077636) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigw (NM_001077636) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pigw
Synonyms:	2610044A17Rik; Gwt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228072 representing NM_001077636
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCAAAGCAGCTGAAGGAAGCCTTTGTGTCAGGAACCTCAGTGGACCAGTGTGCTGGAAGTGACCC
 AGGGCCTGTGCTTTCCTGCCTTCTGTATCCTGTGTAGAGGCCCTTTGGATCATCTTCTCACAGCACGTATG
 CTCTTTCTCAAACACCTGGAGCACACGATTCTCATGGACTTTGTTGTCTTGATAGTCCCCCTAGTGATC
 ACTCTGACTGTATTGTCTTCTTTATCCTCCTCGAGAATCTCACTGTGATTGTCTGGGGGCATGGCTGT
 TGTATCAGATATACCACAGGAGGACTTGTACGCCAAAGTGCCTGTCCAGAAAGTCTTTGCAAACCTTCTT
 GAAAATCAGCCTAGAATCTGAGTACAATCCCGCAATCACCTGTTACCGGGTCATTAACAGCGTATTTACG
 GCTATTGCCATTTGGCCGTGGATTTCCACTTTTCCCTAGAAGATTTGCCAAAAGTGAACCTTTATGGGA
 CAGGAGCAATGGATTTGGAGTAGGTGGCTTTATTTTGGGGCGCAATGGTTTGTCCAGAGTTAGAAG
 GAAATCTATAGAAGAGTCTAGATTAATTATCTTAGAAAATCGCTGATTCTGTCTGGCCATTGGTCTTC
 TTAGGAATGGGACGGTTGGTCATTATAAAGTCCATAGGCTACCAGGAACATTCTACCGAGTACGGCATT
 ACTGGAACTTTTCTTTACCATCATAGTTGTGCGATTAGTAACGTCACCTGCTTTTGATTATTTTCCCTT
 AAATAAGTCGTGGATTGTGGCTGTGAGCATAACTGTGGTATACCAGCTAGCCCTGGATTATACTCCACTC
 AAGAGGATACTTTTGTATGGCACTGATGGCAGTGGCACAAGGGTTGGCTTCTTAATGCTAACCGAGAGG
 GAATAATTTCCACTTTGGGGTATGTGACAATACACATGGCTGGTGTACAAACGGGATTGTATGTGCTTAA
 GGGAAAGACACAAGTCAGAGACTGGATAAAAGCTACTTGTGGTTTTCTCAGTAGCTGTTGGCTTCTTC
 ATTTCTTTCATATAGTCAAGTAAACATAGAAGCAGTATCTCGAAGAATGGCCAATTTAGCCTTTTGTG
 TGTGGTAGTTGCTTCCAGTCTGATGCTTCTTAGTTGTCTGTTACTGAGTGGTATAATTTTGGTTTTGC
 CCAATTTCTAATTAAGGGTCTCTAGTTCCATGTTCTTGGAAACTTATACAGTCTCCTACTACACATAAA
 AACCATCTGAATCTCTAATCTTAGAAGCTGAAAAAACAACCCAGTCTTTGTTTGATCACAGCTCTGA
 ACAGAAACCAGCTGTTTTTTTCTTACTGTCAAATATAACAACCTGGTCTGATTAACCTGACGATGGATAC
 ATTACACACTGGTGCCTTGTGGACCTTAGTTGTGCTCAGTATTTATGTTTACCAACTGTTTAGTTATA
 TATGTACTTGATTTACAAGGTAACCATAAAGTTTTGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001077636
- Insert Size:** 1512 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001077636.1](#), [NP_001071104.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 1512 bp

Locus ID: 70325

UniProt ID: [Q8C398](#)

Cytogenetics: 11 C

Gene Summary: Required for the transport of GPI-anchored proteins to the plasma membrane. Probable acetyltransferase, which acetylates the inositol ring of phosphatidylinositol during biosynthesis of GPI-anchor. Acetylation during GPI-anchor biosynthesis is not essential for the subsequent mannosylation and is usually removed soon after the attachment of GPIs to proteins.[UniProtKB/Swiss-Prot Function]