

Product datasheet for **RN211504**

Pigv (NM_001010966) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigv (NM_001010966) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pigv
Synonyms:	RGD1309526
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211504 representing NM_001010966
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCTCCTGGACCCGTCCAGAAAGAGGTGCTGAAATTTGCAGTGAGCTGCCGATCCTGACTCTAG
 TGCTACAGGCACTCTCAATATCATCATCCAGACCACCATGCCGATGCCTTTCTCCTCCCGCCTCGC
 CCCCTCGGGCTCTGTGGATCAGCTTGTGGAAGCTCTTCTGGTGGTCTGTCTCGATGGGATGCTGAACAC
 TTCCTGTTATTGCTGAGCACGGCTACCTTTATGAGCACAACTTTGCCTTCTCCCTGGCTTCCCCTTGG
 CCCTGCTGATGGAACTGAACTGCTGAGGCCCTGCAGGGCTCTTGAGCGAGCGCAGTTGCCTGCTGGT
 CTCAGTAGCACTTCTCACTCCCTGTTCTCTGTGCTGGCCGAGTTGCACTTCATGACTTGGGCTGTCTG
 GTTTTGCAGTGTCTCGCCAGGCCTTTTGTGCGGCACTGCTCTTCTGCCTCAGCCCTGCCAATGTTTTCT
 TGGCAGCTGGTACTCGAAGCTTTGTTGCCTCCTGACATTCAGTCCATGGGCGAGCTGGAGAGGGG
 CCGAGGCTGGGCTAGTGGGCTGCTTTTGTCTTGGCCGCTGGGGTGCCTCCAACGGGCTGGTCAGCGTT
 GGCTTCTCCTGCACTTCTCAGTGCAGAGGCTTTTGTCTTCTCTGGTGGTCTGGACCCCTTGAAAGGGC
 TGGTCAAGCTCATGGCCTCTCTGTGCTTGTGACTCACAGTCAGCCTTCTTTTGCCTCTTTTTCAGTA
 TTATGCCTACACCAGTTCTGTTTCCCAGGCTCAGCCCATGCCATCCCTGAGCCCTTGTGCGGCTAGCT
 TCGGACAGAGGCTACCGGCTTGCAGGAGACTATGAGCCCCATGGTGTCTCCCGGGCTCCTCCACTAATAT
 ACAGCTATATTCAGGATGTCTACTGGAACGTTGGTCTTCTGCGATACTATGAGCTCAGACAGGTGCCGAA
 TTTTCTCCTAGCTACACCAGTACTGTACTGGTGTGTGGCAACCTGGACGATGTGACCGCCACCCT
 TGGCTCTGCCTTACCCTTGGGCTGCAAAGGACCAAGGACAGGGAGAGCCTGGAGAAGCCCCATCCTGGCT
 TCCTCAGTGCAAAGGTGTTTGTGTACCTGGTCCACGCGCAGCGCTGCTGGCCTTTGGAGGTCTGCTG
 GCATGTCCAGTTCTCAGCGCACTTCTGGGCTCTTCCACTCCCATCACATACTGGTTTCCAGCTTACCTG
 CTTCAGGATCGAGAACCCTGTTAAGATGTGTAGACACAGCCCTCAGAAGCTTCTTGAGAATCCCCAC
 CAGGACAAAAGGCCCCAGAACTGTGTCATGAACTCTTATACAAGTGAAGACCTGCTCTCCAGTCAC
 AAAATGCATCCTAGTCTACTTCTGACCTACTGGCTCCTGGGACTAATTATGCATTGCAACTTCTGCCT
 TGGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001010966
- Insert Size:** 1479 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_001010966.1](#), [NP_001010966.1](#)

RefSeq Size: 2429 bp

RefSeq ORF: 1479 bp

Locus ID: 366478

UniProt ID: [Q5KR61](#)

Cytogenetics: 5q36

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]