

Product datasheet for **MG207911**

Pigv (NM_178698) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigv (NM_178698) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pigv
Synonyms:	B330013B03; D430024F16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207911 representing NM_178698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGACTCCTGGACCCATCCAGAAAGAGGTGCTGAGATTTCGAGTAAACTGCCGCATCCTGACTCTAG
 TGCTACAGGCACTCTCAACCTCATCATCCAGATCACACGAGATGCCTTTTGCCTCCCGCCTCGC
 CCCCTCGGGCTCTGCGGATCAGCTTGTGGAAGGCTTCTGGGTGGTCTGTCTCGATGGGATGCTGAACAC
 TTCCTGTTATCGCTGAGCACGGCTACCTTTATGAGCACAACCTTGCCTTCTCCCTGGCTTTCCCTTGG
 CCCTGCTGATGGGGACTGAGCTGCTGAGACCCTTGCAGGGCCTTTCAGCCAGCGCAGTTGCCTGCTGGT
 CTCAGTAGCACTTCTCAACTTGTCTTCCGTGCTGGCTGCAGTGGCACTCCATGACTTGGGTTGTCTG
 GTTCTGCACTGTCTCGGACGGCCTTGTGTGCAGCGCTGCTTCTGCATCAGTCTGCCAACGTTTTCC
 TGGCAGCCGGCTACTCAGAGGCTTTGTTGCCTTCTGACGTTTCAGCGCCATGGGGCAGCTGGAGAGGGG
 CCGTGGCTGGGCTAGTGGGCTGCTTTTGTCTTGTCTGCTGGGGTGCCTCAATGGGCTGGTGGAGCCTT
 GGCTTCTCTGCACTCCAGTGCAGAGGCTTTTGTCTCTCTGCGCGTCTGAGCCCTGGAAGCCCC
 TCGTGAAGCTGATGGCCTCTGTGTGCTTGTGCGGTGCTCATAGTCAGCCTTCCCTTCGCCCTTTTTCAGTA
 TCGTGCCTACATCCAGTTCTGCTCACCAGGCTCAGCCCCCTCCATCCCTGAGCCCTTGTGTCAGCTAGCT
 GCCGACAAAGGCTACCGGCTTGCAGGAGAAAATGCACCCCATGGTGTCTCTGGGACCTTCTCTAATAT
 ACAACTATATTCAGGATGTCTACTGGAATGTTGGTCTTCTGCGATACTATGAGCTCAAACAGGTGCCCAA
 TTTCTACTAGCTACACCAGTGCAGTACTGGTGTGTGGCAACCTGGACATAATGTCACCCACCCCT
 TGGCTCTGCCTTACACTTGGGCTGCAAAGAACCAAGGACAGGGAGAACCCTGGGAGAGCCCAACCGTGGCT
 TCCTGAGTCCGAAGGTGTTTGTGTACTGTCCACGCTGCAGCACTGCTGGTCTTTGGAGGCTGTGTCAT
 GCATGTCCAGGTTCTCAGCGGTTTTTGGCCTTCTCCACTCCTATCATGTACTGGTTTCCAGCTCACCTG
 CTTCAGGATCAAGAACCCTGCTGAGGTGTGTGGACACAGAGCCTGGGAAGCTTCTCAGGAGAAGTCCC
 CACCAGGACAGAAGGCCCCAGAACTGTCTCATGAAACTCTTCTACAATTGGAAGAGATGCTCTCCAGT
 CACAAGATGCGTTCTGGTCTACTTCTGACCTACTGGCTTCTGGGACTAATTCTCCATTGCAACTTCTCTG
 CCTTGGACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207911 representing NM_178698
 Red=Cloning site Green=Tags(s)

MGLLDPSQKEVLRFAVNCRILTLVLQALFNLIIPDHHADAFPPRLAPSGSADQLVEGLLGLSRWDAEH
 FLFIAEHGYLYEHNFAFFPGFPLALLMGTELLRPLQGLLSQRSCLLVSVALLNLLFVLAALVALHDLGCL
 VLHCPRQALCAALLFCISPANVFLAAGYSEALFAFLTFSAMQLERGRGWASGLLFAAAGVRSNGLVSL
 GFLLHSQCRGFCSLAVLSPWKPLVKLMASVCLSVLIVSLPFALFQYRAYIQFCSPGSAPSIPPEPLLQLA
 ADKGYRLAGENAPPWCSWDLPLIYNYIQDVYWNVGLLRYELKQVPNFLLATPVTVLVWVATWTYVTTTHP
 WLCLTLGLQRTKDRENPEKPHRGFLSPKVFVYLVHAAALLVFGGLCMHVQVLRFLASSTPIMYWFPAHL
 LQDQEPLLRVDTEPGKLPQEKSPPGQKAPRNCLMKLFYNWKRCSVPVTRCVLVYFLTYWLLGLILHCNFL
 PWT

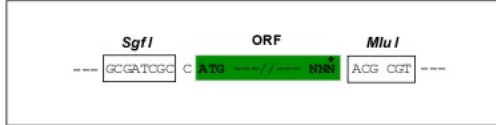
TRTRPLE – GFP Tag – V

Restriction Sites:

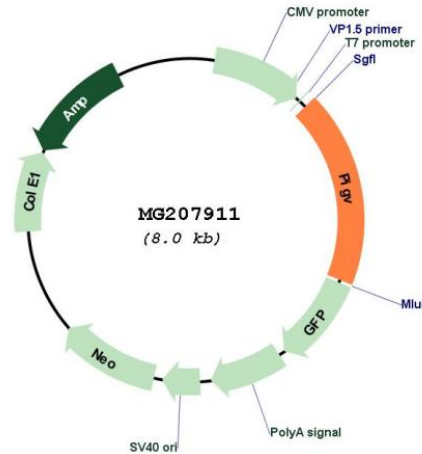
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_178698
ORF Size:	1479 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_178698.3](#), [NP_848813.2](#)

RefSeq Size: 3952 bp

RefSeq ORF: 1482 bp

Locus ID: 230801

UniProt ID: [Q7TPN3](#)

Cytogenetics: 4 D2.3

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]