

Product datasheet for **MG216000**

Pigv (NM_001145955) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigv (NM_001145955) 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)
ORF Nucleotide Sequence: >MG216000 representing NM_001145955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACTCCTGGACCCATCCCAGAAAGAGGTGCTGAGATTCGCAGTAACTGCCGCATCCTGACTCTAG
TGCTACAGGATGTCTACTGGAATGTTGGTCTTCTGCGATACTATGAGCTCAAACAGGTGCCCAATTTCT
ACTAGCTACACCAGTGACAGTACTGGTTGTGTGGCAACCTGGACATATGTGACCACCCACCTTGGCTC
TGCCCTTACTTGGCTGCAAAGAACCAAGGACAGGGAGAACCCGGAGAAGCCCCACCGTGGCTTCTGA
GTCCGAAGGTGTTGTGTACCTGGTCCAGCTGCAGCACTGCTGGTCTTTGGAGGTCTGTGCATGCATGT
CCAGGTTCTCACGCGTTTTTGGCCTTCCACTCCTATCATGTACTGGTTCCAGCTCACCTGCTTCAG
GATCAAGAACCGCTGCTGAGGTGTGTGGACACAGACCTGGGAAGCTTCCCTCAGGAGAAGTCCCCACCAG
GACAGAAGGCCCCAGAACTGTCTCATGAAACTTTCTACGATTGGAAGAGATGCTCTCCAGTCACAAG
ATGCGTTCTGGTCTACTTCTGACCTACTGGCTTCTGGGACTAATTCTCCATTGCAACTTCTGCCTTGG
ACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216000 representing NM_001145955
 Red=Cloning site Green=Tags(s)

MGLLDPSQKEVLRFAVNCRILTLVLQDVYVNVGLLRYYELKQVPNFLLATPVTVLVWVATWTVYVTTHPWL
 CLTLGLQRTKDRENPEKPHRGFLSPKVFVYLVHAAALLVFGGLCMHVQVLRFLASSTPIMYWFPAHLLQ
 DQEPLLRCDVTEPGKLPQEKSPPGQKAPRNCLMKLFYDWKRCSPVTRCVLYVFLTYWLLGLILHCNPLPW
 T

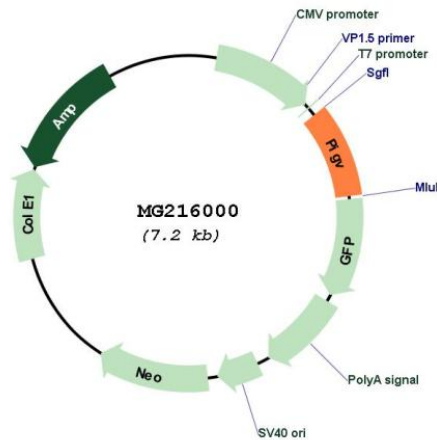
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145955

ORF Size: 633 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:	<ol style="list-style-type: none">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_001145955.1 , NP_001139427.1
RefSeq Size:	2095 bp
RefSeq ORF:	636 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]