

Product datasheet for **MG216263**

Pigm (NM_026234) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigm (NM_026234) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pigm
Synonyms: 4933437L05Rik; AI644422; AV302080; C920011G20Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216263 representing NM_026234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTACCCCATGCACTGGGGGAATGGATCCTGAACTTTCGGGTGCCGCCGCCGGGTGTTCCGGC
 TGGCCTTCTGGCCGGGTGCCTGGTTTTCTACGGTGTCTCCAGGACCGGACTCTGCTGGTGAAGTA
 CACCGACATAGACTACCACGTGTTACGGACGCCGCGCTTCGTACGGAAGGGCGCTCCCGTACCTG
 CGGGCAGCTACCGCTACACCCGCTCCTGAGCTGGCTCCTCACCCCAACGTCTACCTCAGCGAAGTCT
 TCGGCAAGTTTCTTTCATCAGCTGCGATCTCCTCACCGCCTTCTCCTGTACCGCTGCTGCTGCTCAA
 GGGGCTGGGGCGCCGAAGCCTGTGGCTACTGGCTTCTGGCTGCTCAACCCTTGGCCATGGCGGTG
 TCCAGCCGGGGCAACGCGGACTCCATCGTCGCCTCCCTGGTTCTCTCGACCCTGTACTTCATAGAGAAAC
 GGCTCATCGCGTGCAGCGCGGTGTTCTATGGCTTCGCGGTGCACATGAAGATGTACCCGGTGACCTACAT
 CCTCCCATAGCGCTCCATCTGCGGCCGAGCGCGACGATGACGAGCGTCTCCGGCATGCCCGTTCTCT
 TTCCAGGCTCGTTGTACGACTTCTGAGGAGGCTGTGTAGTGGCAGTGTGCTTTTCGTAGCGGTTG
 CAGGGCTACGTTTGTGCCCTGAGCTTCGGTTTTACTATAAGTACGGTTGGGAGTTTTGGAGCACAC
 CTACTTTTATCACCTAACTAGGAGGATATCCGCCATAATTTCTCCTCCTACTTATATGCTGTATTTG
 ACTGCCGAGCAAGTGGAGTTTTACTCTGGGGATTGCGGCTTCTGCCAAGTTCATCTTCTGCTGTC
 CCGCATCTTTCGCTATTACAGAGACCTTGCTTCTGCTGTTTCTTCATACGTCCATTTTGTGACTTT
 TAACAAAGTCTGCACCTCTCAGTACTTTCTTTGGTACCTCTGCCTTCTGCCTCTGGTGTGCCACTGGT
 AGGATGCCTTGGAAAAGAGCCGTAGTCCTTACTGTTCTGGTTCATAGGACAGGCCCTATGGTGGCTC
 CTGCATATGTTCTAGAGTTTCAAGGAAAGAACACCTTCTGTTTATTTGGTTAGCCGTTTGTCTTCT
 TCTGATCAACTGTTCCATACTGATTAGATTATTTCCATTACAAGGAGGACCGCTAACGGAGAGAATC
 AAATACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216263 representing NM_026234
 Red=Cloning site Green=Tags(s)

MSYPMHWGEWILNFRVPPAGVFGVAFLARVALVFYGVFQDRLLVRYTDIDYHVFTDAARFVTEGRSPYL
 RATYRYTPLLWLLTPNVYLSLFGKFLFISCDLLTAFLLYRLLKGLGRRQACGYCVFWLLNPLPMAV
 SSRGNADSIASLVLSTLYFIEKRLIACAAVYGFVAVHMKMYPVYILPIALHLRPERDDDERLHRARFS
 FQARLYDFLRRLCSWAVLLFVAVAGLTFVALSFGFYKYGWEFLEHTYFYHLTRRDIRHNFSPYFYMLYL
 TAESKWSFTLGI AAFLPQFILLSAASFAYRDLVFCCFLHTSIFVTFNKVCTSQYFLWYLCLLPLVMP
 RMPWKRAVVLLLFWFIGQALWLA PAYVLEFQGKNTFLFIWLAGLFFLLINCSILIQIISHYKEDRLTERI
 KYD

TRTRPLE - GFP Tag - V

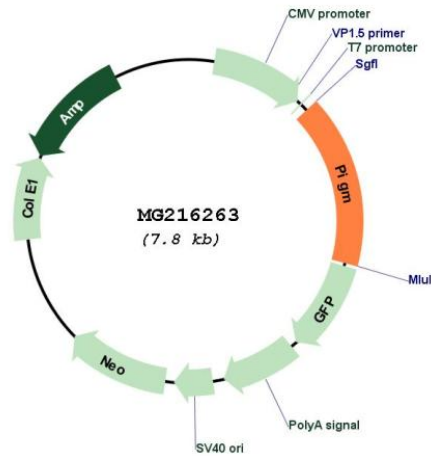
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_026234

ORF Size:	1269 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_026234.4 , NP_080510.1
RefSeq Size:	7569 bp
RefSeq ORF:	1272 bp
Locus ID:	67556
UniProt ID:	Q8C2R7
Cytogenetics:	1 79.73 cM
Gene Summary:	Mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers the first alpha-1,4-mannose to GlcN-acyl-PI during GPI precursor assembly (By similarity). [UniProtKB/Swiss-Prot Function]