

Product datasheet for **MR216263**

Pigm (NM_026234) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigm (NM_026234) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigm
Synonyms:	4933437L05Rik; AI644422; AV302080; C920011G20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216263 representing NM_026234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTACCCCATGCACTGGGGGAATGGATCCTGAACTTTCGGGTGCCGCCCGCGGGTGTTCGGCG
 TGGCCTTCTGGCCCGGTGCGCCTGGTTTTCTACGGTGTCTCCAGGACCGGACTCTGCTGGTGAGGTA
 CACCGACATAGACTACCACGTGTTACAGGACGCCGCGCTTCGTCACGGAAGGGCGCTCCCGTACCTG
 CGGGCGACCTACCGCTACACCCGCTCCTGAGCTGGCTCCTACCCCAACGTCTACCTCAGCGAACTCT
 TCGGCAAGTTTCTTTCATCAGCTGCGATCTCCTACCGCCTTCTCCTGTACCGCTGTGCTGCTCAA
 GGGGCTGGGGCGCCGAAGCCTGTGGCTACTGCGTCTTCTGGCTTCTCAACCCTTTGCCATGGCGGTG
 TCCAGCCGGGCAACGCGGACTCCATCGTCGCTCCCTGGTTCTCTCGACCCTGTACTTCATAGAGAAAC
 GGCTCATCGCTGCGCCGCGGTGTTCTATGGCTTCGCGGTGCACATGAAGATGTACCCGGTGACCTACAT
 CCTCCCATAGCGCTCCATCTGCGGCCGAGCGGACGATGACGAGCGTCTCCGCAAGCCCGGTTCTCT
 TTCCAGGCTCGTTTGTACGACTTCTGAGGAGGCTGTGTAGCTGGGCACTGCTGCTTTTCGTAGCAGTTG
 CAGGGCTCACGTTTGTGCCCTGAGCTTCGGTTTTACTATAAGTACGGTTGGGAGTTTTGGAGCACAC
 CTACTTTTATCACCTAAGTAGGAGGATATCCGCATAATTTCTCTCCGTAATTTCTATGCTGATTTG
 ACTGCCGAGAGCAAGTGGAGTTTTACTCTGGGATTGCGCGTTCCTGCCACAGTTCATCTTGTGTCAG
 CCGCATCTTTCGCTACTACAGAGACCTGTCTTCTGCTGTTTTCCTTCATACGTCATTTTTGTGACTTT
 TAACAAAGTCTGCACCTCTCAGTACTTTCTTGGTATCTCTGCCTTCTGCCTCTGGTGATGCCACTGGTG
 AGGATGCCTTGGAAAAGAGCCGTAGTCTCTTACTGTTCTGGTTCATAGGACAGGCCCTATGGCTGGCTC
 CTGCATATGTTCTAGAGTTTCAAGGAAAGAACACCTTCTGTTTATTTGGTTAGCCGGTTTGTCTTCTCT
 TCTGATCAACTGTTCCATACTGATTGAGATTATTTCCATTACAAGGAGGACCGCCTAACGGAGAGAATC
 AAATACGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216263 representing NM_026234
 Red=Cloning site Green=Tags(s)

MSYPMHWGEWILNFRVPPAGVFGVAFLARVALVFYGVFQDRLLVRYTDIDYHVFDAARFVTEGRSPYL
 RATYRYTPLLSWLLTPNVYLSELFKFLFISCDLLTAFLLYRLLLLKGLGRRQACGYCVFWLLNPLPMAV
 SSRGNADSIVASLVLSTLYFIEKRLIACAAYFYGFVHMKMYPVYILPIALHLRPERDDDERLRQARFS
 FQARLYDFLRRLCWAVLLFVAVAGLTFVALSFGFYKYGWEFLEHTYFYHLTRRDIRHNFSPYFYMLYL
 TAESKWSFTLGIAAFLLPQFILLSAASFAYRDLVFCCFLHTSIFVTFNKVCTSQYFLWYLCLLPLVMPLV
 RMPWKRAVVLLLLFWFVIGQALWLPAYVLEFQGNKTFLLIWLGLFFLLINCSILIQIISHYKEDRLTERI
 KYD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9018_b04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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:

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

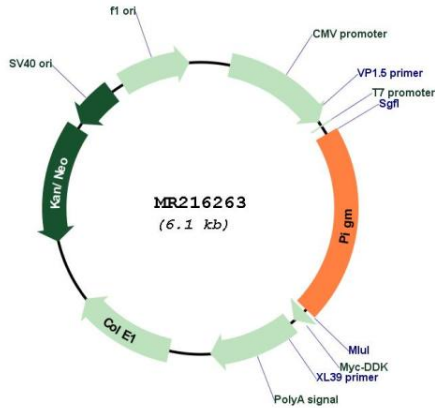
UniProt ID: [Q8C2R7](#)

Cytogenetics: 1 79.73 cM

MW: 50.2 kDa

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]

Product images:



Circular map for MR216263