

Product datasheet for **RR209711**

Pigm (NM_024144) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pigm (NM_024144) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pigm
 Synonyms: GPI-MT-I
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209711 representing NM_024144
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTACACCAAGCACTGGGGAGAATGGTTCCTGAACCTGCGGGTGCCGCCCGCGGGGTGTTTCGGCG
 TGGCCTTCTGGCCCGGGTGCCTGGTTTTCTACGGTGTCTTTCAGGACCGACTCTGCTCGTGAGGTA
 CACCGACATAGACTACCAGTGTTCACGGACGCCGCGGTTTCGTCACGGAGGGGCGCTCCCTTACCTG
 AGGGCGACGTATCGCTACACGCCCTCCTGAGTTGGCTCCTCACTCCAACGTCTACCTCAGCGAACTCT
 TTGGCAAGTTTCTTTCATCAGCTGCGACCTCCTCACCGCTTCTCTTGTACCGCTGCTGCTGCTCAA
 GGGGCTGGGGCGCCAGGCCTGTGGCTACTGCGTCTTCTGGCTACTTAACCCCTTACCCATGGCGGTG
 TCCAGCCGAGGCAACGCAGACTCCATCGTCGCCTCCCTGGTGCTTACGACCCTGACTTAATAGAGAAAC
 GACTCATCGCGTGTGCCGCGGTGTTCTATGGCTTCGCGGTGCACATGAAGATGTATCCGGTGACCTACAT
 CCTCCCATAGCGCTCCATTTGCGTCCCGAGCGCGACAGTGACGAGGGGCTCCGGCTAGCCCGTACTCT
 TTCCAGGCTCGTTGTACGACTTCTGAAGAGGCTGTGTAGTGGGCTGTGCTGCTTTTCGTAGCAATTG
 CAGGACTCACTTTTTGGCCCTGAGCTTCGGTTTTACTATAAGTACGGTTGGGAGTTTCTGGAGCACAC
 CTACCTTTATCACCTGACTCGGAGGATATCCGCCATAACTTTTTCTCATATTTCTATGCTGTATCTG
 ACTGCAGAGAGCAAGTGGAGTTTCACGCTGGGGATCGCTGCGTTCCTGCCACAGTTCATCTTGTCTTCAG
 CCGCGTCTTTGCCTATTACAGAGACCTTGTCTTCTGTTGTTTTCTCATAACATCCATTTTTGTGACTTT
 TAACAAAGTCTGCACTTCTCAGTACTTTCTTGGTACCTCTGCCTCTGCCTCTGGTGATGCCACTAGTG
 AGGATGCCTTGAAGAGAGCCGTGGTCTTAAATGTTGTGGTTCATAGGACAGGCCCTATGGCTGGCTC
 CTGCATACGTTCTAGAGTTTCAAGGAAAGAACCTTCTGTTTATTTGGTTAGCTGGTTTGTCTTCTCT
 TCTGATCAACTGTTCTATACTGATTAGATTATTTCCATTACAAGGAGGACCGCCTAACCGAGAGAATC
 AAATACGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR209711 representing NM_024144
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MSYTKHWGEWFLNLRVPPAGVFGVAFLARVALVFYGVFQDRDLLVRYTDIDYHVFDAARFVTEGRSPYL
 RATYRYTPLLSWLLTPNVYLSLFGKFLFISCDLLTAFLLYRLLLLKGLGRRQACGYCVFWLLNPLPMAV
 SSRGNADSIASLVLTLLYLIEKRLIACAAVFYGFVHMKMYPVTYILPIALHLRPERDSDEGLRLARYS
 FQARLYDFLKRKLCWAVLLFVAIAGLTFLALSFGFYKYGWEFLEHTYL YHLTRRDIRHNFSPYFYMLYL
 TAESKWSFTLGIAAFLPQFILLSAASFAYRDLVFCCFLHTSIFVTFNKVCTSQYFLWYLCLLPLVMPLV
 RMPWKRAVLLMLWFIGQALWLA PAYVLEFQGKNTFLFIWLAGLFFLLINCSILIQIISHYKEDRLTERI
 KYD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

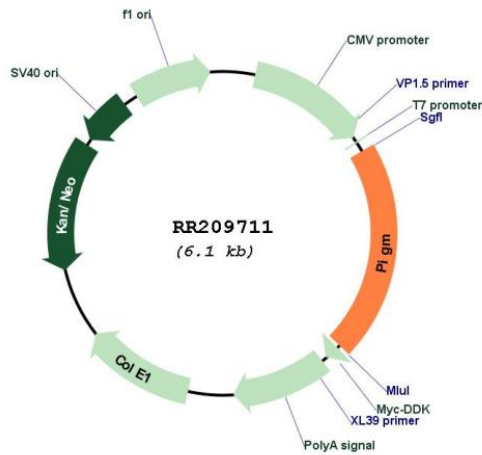
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_024144

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_024144.1 , NP_077058.1
RefSeq Size:	3700 bp
RefSeq ORF:	1272 bp
Locus ID:	79112
UniProt ID:	Q9EQY6
Cytogenetics:	13q24
MW:	49.6 kDa
Gene Summary:	mannosyltransferase that catalyzes the transfer of the first mannose to glycosylphosphatidylinositol in GPI anchor biosynthesis; activity may be localized to the luminal side of the endoplasmic reticulum membrane [RGD, Feb 2006]