

Product datasheet for RN209711

Pigm (NM_024144) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pigm (NM_024144) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Pigm
 Synonyms: GPI-MT-I
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN209711 representing NM_024144
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTACACCAAGCACTGGGGAGAATGGTTCCTGAACCTGCGGGTGCCGCCCGCGGGGTGTTCCGGC
 TGGCCTTCTGGCCCGGGTGCCTGGTTTTCTACGGTGTCTTTCAGGACCGACTCTGCTCGTGAGGTA
 CACCGACATAGACTACCAGTGTTCACGGACGCCGCGCTTTCGTCACGGAGGGGCGCTCCCTTACCTG
 AGGGCGACGTATCGCTACACGCCCTCCTGAGTTGGCTCCTCACTCCAACGTCTACCTCAGCGAACTCT
 TTGGCAAGTTTCTTTCATCAGCTGCGACCTCCTCACCGCTTCTCTTGTACCGCTGCTGCTGCTCAA
 GGGGCTGGGGCGCCAGGCCTGTGGCTACTGCGTCTTCTGGCTACTTAACCCCTTACCCATGGCGGTG
 TCCAGCCGAGGCAACGCAGACTCCATCGTCGCCTCCCTGGTGCTTACGACCCTGACTTAATAGAGAAAC
 GACTCATCGCGTGTGCCGCGGTGTTCTATGGCTTCGCGGTGCACATGAAGATGTATCCGGTGACCTACAT
 CCTCCCATAGCGCTCCATTTGCGTCCCGAGCGCGACAGTGACGAGGGGCTCCGGCTAGCCCGTACTCT
 TTCCAGGCTCGTTGTACGACTTCTGAAGAGGCTGTGTAGCTGGGCTGTGCTGCTTTTCGTAGCAATTG
 CAGGACTCACTTTTTGGCCCTGAGCTTCGGTTTTACTATAAGTACGGTTGGGAGTTTTCTGGAGCACAC
 CTACCTTTATCACCTGACTCGGAGGATATCCGCCATAACTTTTCTCCATATTTCTATATGCTGTATCTG
 ACTGCAGAGAGCAAGTGGAGTTTCACGCTGGGGATCGCTGCGTTCCTGCCACAGTTCATCTTGTCTTCAG
 CCGCGTCTTTGCCTATTACAGAGACCTTGTCTTCTGTTGTTTTCTTACATCCATTTTTGTGACTTT
 TAACAAAGTCTGCACTTCTCAGTACTTTCTTGGTACCTCTGCCTCTGCCTCTGGTGATGCCACTAGTG
 AGGATGCCTTGAAGAGAGCCGTGGTCTTAAATGTTGTGGTTCATAGGACAGGCCCTATGGCTGGCTC
 CTGCATACGTTCTAGAGTTTCAAGGAAAGAACACCTTCTGTTTATTTGGTTAGCTGGTTTGTCTTCTCT
 TCTGATCAACTGTTCTATACTGATTAGATTATTTCCATTACAAGGAGGACCGCCTAACCGAGAGAATC
 AAATACGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_024144
Insert Size:	1272 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_024144.1</u> , <u>NP_077058.1</u>
RefSeq Size:	3700 bp
RefSeq ORF:	1272 bp
Locus ID:	79112
UniProt ID:	<u>Q9EQY6</u>
Cytogenetics:	13q24
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]