

Product datasheet for **RR202628**

Pigx (NM_001100651) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigx (NM_001100651) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pigx
Synonyms: RGD1307289
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202628 representing NM_001100651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

CTGGCTGCCAGCGCCCTTGCTGGCTGCTCCTCTGGGCAGCTGGGCTGGTCGGCAGGCTCGCCGAGACA
 TCAGCGACGCCCGCTTCAGCGATGGTGTAAAGGCCACTTGTCTGAAATTATTTGAGGCAAGAATTTT
 GAAAGATGGTTTCCACAGAGACCTTTAATAAAAGTGAAATTTGGGAAAGCATCGAGGACCTACAGACC
 TGCCGGCTCCTAATCAAACACTACATCCCAACAGGACTCTTTGTGGACCGTACGAGTTGGCTTCATTAC
 GGGAAAGAAACATAACAGAGGCAGTGATGGTATCAGAGAGTTTTAATCTAGAAGCCCCAGCTATTTATC
 CACAGAGTCTGCGGTCTCATTATGCCCGGCAGGACGCACAGTGCATCGACTGCTTCCAGGCCTTCCTA
 CCTGTGCACTATCGATATCACCGTCCACATAAGAAGGATGGAGACACCCTCATTGTGGTCAACAACCTG
 ACTTACTGATGCACTGTGACCAAGAGTTCCCAATTTGAAATGCTGGGCTCAGTCAGAAGTAGCAGCTCC
 TTGTTCTTTGAAGAGTGAGGAGATCTGCCAGTGGAAAAACATGCAGTACAAATCAATACTTAAGAATTTG
 ACAGTGCAGGTGCCAGTGGGACTGACTATACACACCTCCTTAGTGTGCTCCGTGACACTGCTCATTACGG
 TTCTGTGTCTACTCTGATCCTTTAGCTGTTTTCAAATACGGCATTTCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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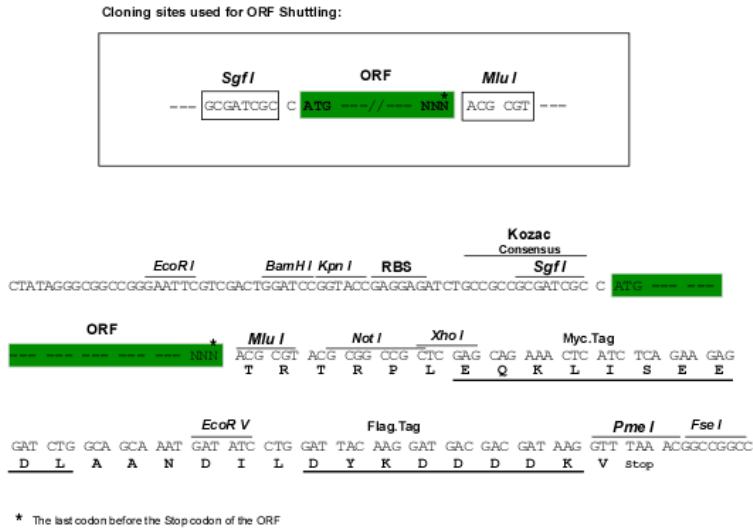
Protein Sequence: >RR202628 representing NM_001100651
 Red=Cloning site Green=Tags(s)

LAASALAWLLLWAAGLVGRLAADISDARFSDGVRATCSEIILRQEFKLDGFHRDLLIKVKFGESIEDLQT
 CRLLIKHYIPTGLFVDPYELASLRERNITEAVMVSESNLEAPSYLSTESAVLIYARQDAQCIDCFQAF
 PVHYRYHRPHKKDGDTLIVVNNPDLLMHCDQEFPIKCKWAQSEVAAPCSLKSEEICQWKNMQYSILKNL
 TVQVPVGLTIHTSLVCSVTLLITVLCSTLILLAVFKYGHFSL

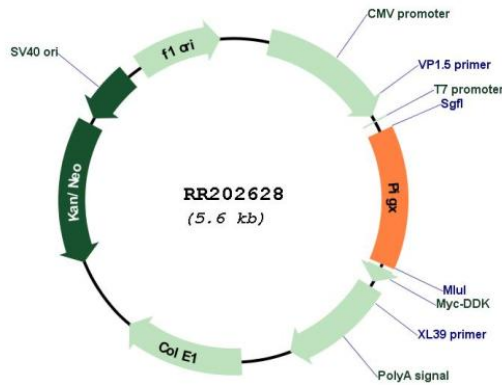
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100651
ORF Size: 756 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_001100651.1 , NP_001094121.1
RefSeq Size:	988 bp
RefSeq ORF:	759 bp
Locus ID:	288041
UniProt ID:	Q60GF7
Cytogenetics:	11q22
MW:	28.4 kDa
Gene Summary:	This gene encodes a type I transmembrane protein in the endoplasmic reticulum (ER). The protein is an essential component of glycosylphosphatidylinositol-mannosyltransferase I, which transfers the first of the four mannoses in the GPI-anchor precursors during GPI-anchor biosynthesis. The protein is translated from a non-AUG translation initiation site. [provided by RefSeq, Jul 2008]