

## Product datasheet for RN202628

### Pigx (NM\_001100651) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pigx (NM\_001100651) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pigx  
**Synonyms:** RGD1307289  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202628 representing NM\_001100651  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

CTGGCTGCCAGCGCCCTTGCTGGCTGCTCCTCTGGGCAGCTGGGCTGGTCGGCAGGCTCGCCGAGACA  
 TCAGCGACGCCGCTTCAGCGATGGTGAAGGGCCACTTGTCTGAAATTATTTGAGGCAAGAATTTT  
 GAAAGATGGTTTCCACAGAGACCTTTAATAAAAAGTGAAATTTGGGAAAGCATCGAGGACCTACAGACC  
 TGCCGGCTCCTAATCAAACACTACATCCCAACAGGACTCTTTGTGGACCGTACGAGTTGGCTTCATTAC  
 GGGAAAGAAACATAACAGAGGCAGTGATGGTATCAGAGAGTTTTAATCTAGAAGCCCCAGCTATTTATC  
 CACAGAGTCTGCGGTCTCATTATGCCCGGCAGGACGCACAGTGCATCGACTGCTTCCAGGCCTTCCTA  
 CCTGTGCACTATCGATATCACCGTCCACATAAGAAGGATGGAGACACCCTCATTGTGGTCAACAACCTG  
 ACTTACTGATGCACTGTGACCAAGAGTTCCCAATTTTGAATGCTGGGCTCAGTCAGAAGTAGCAGCTCC  
 TTGTTCTTTGAAGAGTGAGGAGATCTGCCAGTGGAAAAACATGCAGTACAAATCAATACTTAAGAATTTG  
 ACAGTGCAGGTGCCAGTGGGACTGACTATACACACCTCCTTAGTGTGCTCCGTGACACTGCTCATTACGG  
 TTCTGTGTCTACTCTGATCCTTTTAGCTGTTTTCAAATACGGCCATTTTCCCTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001100651  
**Insert Size:** 759 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001100651.1</a></u> , <u><a href="#">NP_001094121.1</a></u>
<b>RefSeq Size:</b>	988 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	288041
<b>UniProt ID:</b>	<u><a href="#">Q60GF7</a></u>
<b>Cytogenetics:</b>	11q22
<b>Gene Summary:</b>	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]