

## Product datasheet for **MR222212**

### **Piga (NM\_011081) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Piga (NM_011081) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Piga
Synonyms:	A1194334; Pig-a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222212 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCAATAGAAGAGGAGGTGGCAAGGCCAGCCTCCTTCAGTGTGCGCTTCCCGGGTAGCTCTGGAA  
 ACCTTCCGACGATAGGACCTGCACCCATAATATATGCATGGTGTGAGACTTTTTCTACCCAAACATGGG  
 AGGCGTGGAAAGCCACATTTACCAGCTCTCTCAGTGCCTCATTGAGAGAGGGCACAAAGGTATAACTGTC  
 ACCCATGCTTATGGAAATCGAAAGGGCGTCCGTTACCTACCAATGGCCTCAAAGTTACTATTTGCCTC  
 TGAGAGTCATGTACAACCAATCTACAGCCAGACTCTCTTTCACAGTCTGCCATTGCTCAGGTACATATT  
 TGTTCCGGAGAGAATTACGATAATCCATCCCACAGTTCTTTCTCTGCCATGGCCATGATGCTCTCTTC  
 CACGCCAAGACAATGGGGCTTCAGACAGTCTTCACAGACCATTCCCTTTTCGGATTTGCTGATGTCAGCT  
 CGGTGCTTACAAACAAGCTTCTAACTGTGTCTCTTTGTGACACAAACCACATCATTTGTGTCTTTACAC  
 TAGTAAGGAGAACACTGTACTCAGAGCAGCACTGAATCCTGAAATAGTGTCCGTCATTCTAACGCTGTA  
 GATCCTACTGACTTCACTCCAGACCCATTTAGGAGGCATGATAGTGAATAACTGTTGTTGTTGTCAGCA  
 GACTTGTTTACAGAAAAGGGACTGATTTGCTTAGTGGTATAATACCTGAACTCTGTCAGAAATACCAAGA  
 ATTACATTTCTAATTGGAGGAGAGGGACCAAAGAGAATCATTTTGAAGAAGTACGGGAAAGATACCAA  
 CTACATGACAGGGTGCAGCTTTTGGGAGCTTTAGAACACAAGGATGTTAGAAATGTCTTAGTTCAAGGAC  
 ACATTTTCTTAAACCTCCCTCACTGAAGCGTTCTGCATGGCCATCGTGGAAAGTCCAGTTGTGGTTT  
 GCAGGTCGTCAGCACAAAGGTTGGTGGGATCCCGAAGTCCTTCCGAAAGTCTTATTATCTCTGCGAG  
 CCTTCAGTAAAATCTTTGTGTGACGGTCTGGAAAAAGCCATTTTCCAAGTGAAGTCGGGGACATTGCCAG  
 CTCCAGAAAATATCCACAATGTAGTGAAGACTTTCTACACCTGGCGGAACGTGGCAGAGAGAATGAAAA  
 GGTGATGAGCGAGTGTGAAGGAAACTGTTTTGCCAATGCACAAGAGATTGGACAGGCTCATCTCACAC  
 TGTGGCCCTGTGACGGGCTACATGTTTGTCTGGCTGTGCTCAGCTATCTTCTCCTATTTTCTGTC  
 AGTGGATGACTCCAGACTCTTTCATTGATGTTGCAATAGATGCTACTGGGCCAAGGAGAGCTGGACTCA  
 TCAATGGCCTCGTGATAAGAAAAGAGATGAGAATGATAAGATATCCCAAAGCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222212 protein sequence  
 Red=Cloning site Green=Tags(s)

MANRRGGGQGPSPVSPSPGSSGNLSDDRTCTHNICMVSDFFYPNMGGVESHYQLSQCLIERGHKIVITV  
 THAYGNRKGVRVYLTNGLKVVYLLPLRVMYNQSTATTLFHSLPLLRVIFVRRERITIIHSHSSF SAMAHDA LF  
 HAKTMGLQTVFTDHS LFGFADVSSVLTNKLLTVSLCDTNHIIICVSYTSKENTVLRALNPEIVSVIPNAV  
 DPTDFTPDPFRRHDSVITVVVVSRLVYRKGTDLLSGIIPELCQKYQELHFLIGGEPKRIILEEV RERYQ  
 LHDRVQLLGALEHKDVRNVLVQGHIFLNTSLTEAFCMAIVEAASGLQVVSTKVGGIPEVLPESLIILCE  
 PSVKSLCDGLEKAI FQVKSGLPAPENIHNVVKTFYWRNVAERTEKVYERVSKETVLPMHKRLDRLISH  
 CGPVTGYMFA LLAVLSYFLIFLQWMPDSFIDVAIDATGPRRAWTHQWPRDKKRDENDKISQSR

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_011081

**ORF Size:** 1458 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\\_011081.3](#)
**RefSeq Size:** 3593 bp

**RefSeq ORF:** 1458 bp

**Locus ID:** 18700

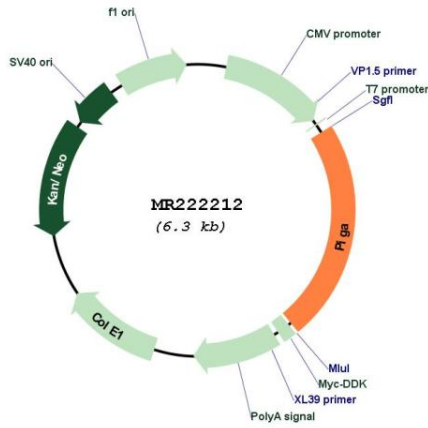
**UniProt ID:** [Q64323](#)

**Cytogenetics:** X 76.49 cM

**MW:** 54.5 kDa

**Gene Summary:** Necessary for the synthesis of N-acetylglucosaminyl-phosphatidylinositol, the very early intermediate in GPI-anchor biosynthesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR222212