

## Product datasheet for **MR220554**

### **Pigl (NM\_001039536) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pigl (NM\_001039536) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pigl  
**Synonyms:** Gm737  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220554 representing NM\_001039536  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATTGGTGGGTTTCTTGTGTGTGGCCGTGGCTGTCCTGACTTGGGGCTTCTCCGGGTTTGGAACT  
CAGCGGAACGAATGAGGTCTCCGGAGCAGGCGGGCTGCCGGGAGCCGGAAGCCGGGCCCTTGTAGTGAT  
CGCGCACCCGGACGATGAAGCCATGTTCTTTGCTCCCACCATGCTAGGCTTGGCACGCCTGGAGCAGCAG  
GTGTCCCTGCTCTGCTTCTCCTCAGAACTACTACAATCAAGGTGAGATTCGAAAGAAAGAGCTTCTGC  
AAAGCTGTGCTGTGTTGGGGATTCCACCTTCCCGTGAATGATTATTGACAAGAGGGACTTCCGGATGA  
TCCAGAAGTGCAGTGGGACACGGAGCTCGTGGCCAGCACCTCCTTCAGCACATACATGCCAATGGCACT  
GACCTGGTGGTGACTTTTGTATGCAGAAGGAGTCAAGTGGTCAACAGCAACCATATTGCTTTGTACAAAGCTG  
TGAGGGCCCTGCACTCAGGAGGGAAGCTGCCTAAAGGGTCTCCGTGCTCACGCTCCAGTCTGTGAACGC  
GCTTCGGAAGTACGCCTTCTCCTGGATCTGCCCTGGACTCTGCTGTACCCAGGATGTTCTCTTTGTG  
CTCACCAGCAAAGAAGTGGCACAGGCCAAGAAAGCCATGTCTGCCACCGCAGCCAGCTCCTCTGTTCC  
GATACCTCTACGTCCTTCTCCAGATACATGAGAATCAACTCACTGCGGTTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220554 representing NM\_001039536  
 Red=Cloning site Green=Tags(s)

MELVGFLCVAVAVLTWGFLRVWNSAERMRSPEQAGLPGAGSRALVVI AHPDDEAMFFAPTMLGLARLEQQ  
 VSLLCFSSGNYYNQGEIRKKELLQSCAVLGIPPSRVMIIDKRDFPDDPEVQWDELVASTLLQHIHANGT  
 DLVVTFDAEGVSGHSNHIALYKAVRALHSGGKLPKGC SVLTLQSVNALRKYAFLLDLPWTLLSPQDVLV  
 LTSKEVAQAKKAMSCHRSQLLWFRYLYVLF SRYMRINSLRFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_d07.zip](https://cdn.origene.com/chromatograms/mm9024_d07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001039536

**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:**

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\\_001039536.4](#)

**RefSeq Size:** 1657 bp

**RefSeq ORF:** 759 bp

**Locus ID:** 327942

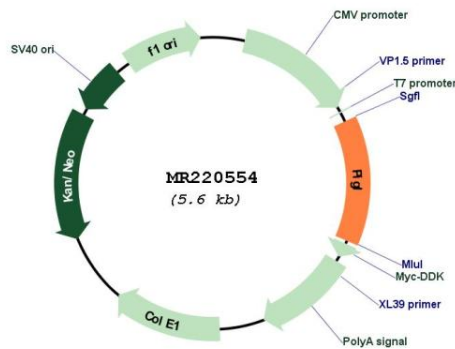
**UniProt ID:** [Q5SX19](#)

**Cytogenetics:** 11 B2

**MW:** 28.6 kDa

**Gene Summary:** Involved in the second step of GPI biosynthesis. De-N-acetylation of N-acetylglucosaminyl-phosphatidylinositol (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220554