

## Product datasheet for **MR208799**

### **Pigs (NM\_201406) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pigs (NM_201406) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigs
Synonyms:	BC058979; Gm393; Gm689
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208799 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCGGCCGAGGAGCTGCGGCCACGGACCTAGAGGTGGTCCGGGGCAAGCGTTCCGCGCTTTTCTTCG  
 CCGCGGTGGCCATCCTTCTGGGACTGCCGCTCTGGTGAAGACGACGGAGACTTACCGGGCCCCATTGCC  
 TTA CT CAGACATCAGTGGGCTGAATGCTCTGCTGCTCCGCTCATGGTGCCAGTACAGTTGTGTTACT  
 CGGGACTCTGTGCCCTGGACGACCAAGAGAAGCTACCTTTCACCGTTGTGCATGAGCGAGAGATCCCTC  
 TGAAATACAAGATGAAAATCAAGTCCGCTTCCAGAAGGCCTACCGGAGAGCTTTGGAGCAGGAGGGA  
 GGCGCTGTCCCTGGCAGTGTGCACGAGGCAGAAGCCATGTTAGCTGAGCCGGAAGCAAGCTGAGGGC  
 TCCTTGACTGTGTATGTGATCTCGGAGCACTCCTCCCTTCTCCAGGACATGATGAGTACATTGGGC  
 CTGAGAGGACGGCAGTTGTCCGGGGCTGATCCACAGGGAAGCCTCAACATCATCGGCCGTCGCATAGT  
 CCAGGTCGCCAGGCCATGTCCTTGACGGAGGATGTGCTTGTCTGCTGCCTTGGCCGACCCTGCCCGAG  
 GACAAGTGGAGCTCTGACAAGAGGCGGCCGCTCAAGTCCAGCTTAGGCTATGAAATCACTTTCAGTTTAC  
 TCAACCCAGACCCCAAGTCCCACGATGTCCACTGGGACATTGAGGGAGCTGTCCAGCGCTTTGTGCAGCC  
 TTTCTGAATCGCCTCAGTGTTCGGGCAATTTCTCTGTGGACTCTCAGATCCTATACTATGCCATGCTC  
 GGCGTGAACCCCGCTTTGACCCAGCCTCATCCAGCTACTCCTTGGCTATGCACAGCCTGCCCCACGTCA  
 TCAACCCAGTGGAGTCCCGACTCGGGTCCAGCGCTGCCTCCCTGTACCCTGTACTCCACTTTCTGCTCTA  
 TGTGCCTGAGCTTGCCCACTCCCGCTGTACATTCAGGACAAGGACGGAGCTCCAGTGGCCACCAATGCC  
 TTCCACAGTCCCGCTGGGGTGGCATTATGGTATACAATGTTGATCCGAAGATCTATAATGCTTCTGAGC  
 TGCCAGTGAAGGTTGAGGTGGACATGGTCCGGGTGATGGAGGATTCCTGGCTCAGCTGAGGCTGCTT  
 TGGAATTGCTCAGCCCCAGGTGCCTCCCAAATGCCTGCTCTCAGGACCAAGAGTGAAGGACTCATGACC  
 TGGGAGCTGGACCGATTGCTCTGGGCTCGCTCCGTGGAGAACCTGGCCACGGCCACCACCCTCACCT  
 CCCTGGCCAGCTTCTGGGAAGATCAGCAACATTGTCATCAAGGATGATGTGGCTTCTGAGGTATATAG  
 GGCTGTGGCTGCCGTCCAGAAGGACGAAAGGCCTTAGCCCTTGGGCACCTGTCTGTCGCCCTTGTCTGCC  
 AGCCAGGAAGCCGTGACCTCCTCCGAGCGCGCTTTTTTACCCTCCCTCCTCCACCTCTGTATTTCC  
 CCGACGACCAGAAGTTTGTATCTACATCCCTCTTCTGCCCATGGCTGTGCCATCCTCCTGTCCCT  
 GGTTAAGATCTTTCAGGAACTCGCAAGTCTGAAAAAGCCTGAGAAGATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208799 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAAGAAATDLEVVRGKRSALFFAAVAILLGLPLWKTETETRAPLPYSDISGLNALLRLMVPVTVVFT  
 RDSVPLDDQEKLPFTVWHEREIPLKYKMKIKCRFQKAYRRALHEHEEALSLGSVHEAEAMLAPEKQAE  
 SLTVYVISEHSSLLPQDMMSYIGPERTAVVRGLIHREAFNIIGRRIVQVAQAMSLTEDVLAALADHLPE  
 DKWSSDKRRPLKSSLYEITFSLNPDPKSHDVHWDIEGAVQRFVQPFNLRLSVAGNFSVDSQILYYAML  
 GVNPRFDPASSSYSLAMHSLPHVINPVESRLGSSAASLYPVLHFLLYVPELAHSPLYIQDKDGAPVATNA  
 FHSPRWGGIMVYNVDPKIYNASELPVRVEVDMVRVMEVFLAQLRLLFGIAQPQVPPKCLLSPGKSEGLMT  
 WELDRLLWARSVENLATATTTLSLAQLLGKISNIVIKDDVASEVYRAVAQKAAKALALGHLSSAFAA  
 SQEAVTSSERAFFDPSLLHLLYFPDDQKFAIYIPLFLPMAVPILLSLVKIFQETRKSWKKPEKID

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_201406

**ORF Size:** 1668 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\\_201406.1](#), [NP\\_958808.1](#)

**RefSeq Size:** 2505 bp

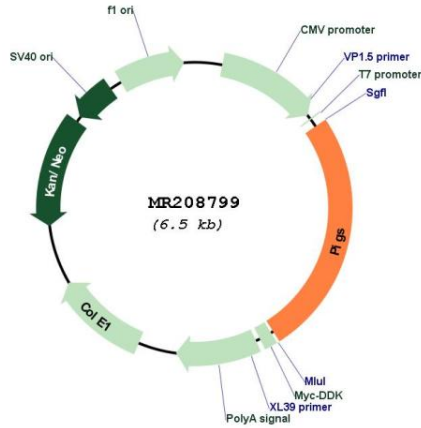
**RefSeq ORF:** 1668 bp

**Locus ID:** 276846

**UniProt ID:** [Q6PD26](#)

**Cytogenetics:** 11 B5  
**MW:** 61.7 kDa  
**Gene Summary:** Component of the GPI transamidase complex. Essential for transfer of GPI to proteins, particularly for formation of carbonyl intermediates (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208799