

Product datasheet for **MG208799**

Pigs (BC058979) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigs (BC058979) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pigs
Synonyms:	BC058979; Gm393; Gm689
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208799 representing BC058979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGAGGAGCTGCGGCCACGGACCTAGAGGTGGTCCGGGGCAAGCGTTCCGCGCTTTTCTTCG
 CCGCGGTGGCCATCCTTCTGGGACTGCCGCTCTGGTGAAGACGACGGAGACTTACCGGGCCCCATTGCC
 TTA CT CAGACATCAGTGGGCTGAATGCTCTGCTGCTCCGCTCATGGTGCCAGTACAGTTGTGTTACT
 CGGGACTCTGTGCCCTGGACGACCAAGAGAAGCTACCTTTCACCGTTGTGCATGAGCGAGAGATCCCTC
 TGAAATACAAGATGAAAATCAAGTCCGCTTTCCAGAAGGCTACCGGAGAGCTTTGGAGCACGAGGAGGA
 GCGCTGTCCCTGGCAGTGTGCACGAGGCAGAAGCCATGTTAGCTGAGCCGAGAAGCAAGCTGAGGGC
 TCCTTGACTGTGTATGTGATCTCGGAGCACTCCTCCCTTCTCCAGGACATGATGAGCTACATTGGGC
 CTGAGAGGACGGCAGTTGTCCGGGGCTGATCCACAGGGAAGCCTCAACATCATCGGCCGTCGCATAGT
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 GACAAGTGAGACTCTGACAAGAGGCGGCCGCTCAAGTCCAGCTTAGGCTATGAAATCACTTTCAGTTTAC
 TCAACCCAGACCCCAAGTCCCACGATGTCCACTGGGACATTGAGGGAGCTGTCCAGCGCTTTGTGCAGCC
 TTTCTGAATCGCCTCAGTGTTCGGGCAATTTCTCTGTGGACTCTCAGATCCTATACTATGCCATGCTC
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 TGCCAGTGAGGGTTGAGGTGGACATGGTCCGGGTGATGGAGGATTCTCTGGCTCAGCTGAGGCTGCTTT
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 CCCTGGCCAGCTTCTGGGAAGATCAGCAACATTGTCATCAAGGATGATGTGGCTTCTGAGGTATATAG
 GGCTGTGGCTGCCGTCAGAAAGGACGAAAGGCTTAGCCCTTGGGCACCTGTCTGTCGCTTCTGCTGCC
 AGCCAGGAAGCCGTGACCTCCTCCGAGCGCGCTTTTTTACCCTCCCTCCTCCACCTCTGTATTTCC
 CCGACGACCAGAAGTTTGTATCTACATCCCTCTTCTGCCATGGCTGTGCCATCCTCCTGCTCCCT
 GGTTAAGATCTTTCAGGAACTCGCAAGTCTGGAAAAAGCCTGAGAAGATAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208799 representing BC058979
 Red=Cloning site Green=Tags(s)

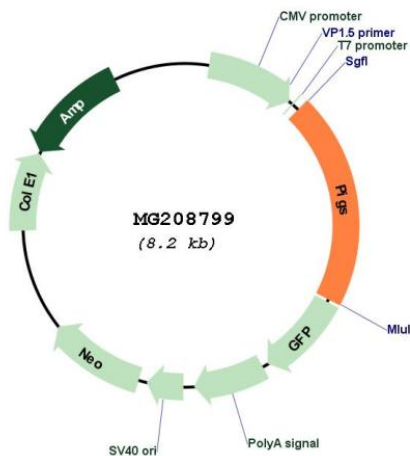
MAAAGAAATDLEVVRGKRSALFFAAVAILLGLPLWKTETETRAPLPYSIDISGLNALLRLMVPVTVVFT
 RDSVPLDDQEKLPFTVWHEREIPLKYKMKIKCRFQKAYRRALEHEEEALSLGSVHEAEAMLAEPEKQAE
 SLTVYVISEHSSLLPQDMMSYIGPERTAVVRGLIHREAFNIIGRRIVQVAQAMSLTEDVLAALADHLE
 DKWSSDKRRPLKSSLYEITFSLNPDPKSHDVHWDIEGAVQRFVQPFNLRLSVAGNFSVDSQILYYAML
 GVNPRFDPASSYSLAMHSLPHVINPVESRLGSSAASLYPVLHFLLYVPELAHSPLYIQDKDGAPVATNA
 FHSPRWGGIMVYNVDPKIYNASELPVRVEVDMVRVMEVFLAQLRLLFGIAQPQVPPKCLLSGPKSEGLMT
 WELDRLLWARSVENLATATTTLSLAQLLKGISNIVIKDDVASEVYRAVAQAAKALALGHLSSAFAA
 SQEAVTSSERAFFDPSLLHLLYFPDDQKFAIYIPLFLPMAVPILLSLVKIFQETRSWKKPEKID

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN:	BC058979
ORF Size:	1667 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:	BC058979 , AAH58979
RefSeq Size:	2505 bp
RefSeq ORF:	1667 bp
Locus ID:	276846
Cytogenetics:	11 B5
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]