

Product datasheet for **RR211591**

Pigs (NM_001006602) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pigs (NM_001006602) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pigs |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR211591 representing NM_001006602
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCGCGGAGCTGCGGCCACAGACCTAGAGGTGGTCCGAGGCAAGCGTGCAGCGCTTTTCTTCG
 CCGCGGTGGCCATCCTTCTGGGACTGCCTCTCGGTGGAAGACGACGAGACCTACCGTGCCCCGTGCC
 TTA CT CAGAGATCAGTGGACTGAATGCTCTGCAGCTCCGCTCATGGTGCCAGTACAGTTGTGTTTACG
 AGAGACTCTGTGCCCTGGACGACCAGGAGAAGCTACCCTTACCCTTGTGCATGAGCGAGAGATCCCTC
 TGAAATACAAAATGAAAATCAAGTGTGATTCCAGAAGGCTACCGGAGAGCTTTGGAACACGAGGAGGA
 GGCCTGTCACTGGCAGTGTGCATGAGGCCGAAGCCTTGTAGCTGAGCCGAGAAGCAAGCAGAGGGC
 TCCCTGACTGTGTACGTGATCTCGGAACACTCCTCCCTTCTCCTCAGGACATGATGAGCTACATCGGGC
 CCGAGAGGACGGCCATCGTACGGGGCATGATCCACGGGAAGCCTCAACATCATTGGCCGTCGCATAAT
 CCACGTGGCCAGGCCATGTCTTTGACAGAGGATGTGCTTGTCTGCTCTGGCCGACCCTCCCTGAG
 GACAAGTGGAGCTCTGATAAGAGGCGGCCACTCAAGTCCAGCCTAGGCTATGAAATCACTTTCAGTTTAC
 TCAACCCAGACCCCAAGTCCCATGATGTCCACTGGGACATTGAGGAGGGTGTCCAACGCTATGTGCAGCC
 TTTCTTGAACCGCTCAGCGCTGCAGGCAATTTCTCTGTGGACTCTCAGATCCTTTACTACGCCATGTTG
 GGAGTGAACCCCGCTTTGACCTGCCTCATCCAGCTACTCCTTGCTATGCACAGCCTCCCCATGTCA
 TCAACCCAGTGGAGTCCCGGCTGGGGTCCAGTGTGCCTCCCTGTACCCTGTGCTCAATTTTTACTCTA
 TGTGCCGAGCTCGCTCACTCCCCCTCAATTCAGGACAAGGATGGAGCTCCAGTGGCCACCAATGCC
 TTCCACAGTCCCGCTGGGGTGGCATTATGGTATAACAATGTTGATCCTAAAATCTATAATGCTTCGGAGC
 TGCCAGTGAAGTTGAGGTGGACATGGCACAGGTGATGGAGGTGTTCTCTGGCTCAGCTGAGGCTGCTTT
 TGGGATTGCTCAGCCCCAGGTGCCTCCAAAATGCCTGCTTTCAGGACCGAAGAGTGAAGGACTCATGACC
 TGGGAGCTGGACCGATTGCTCTGGGCTCGCTCAGTGGAGAACCTGGCCACAGCCACCACTACCCTCACCT
 CCCTGGCCAGCTTCTGGCAAGATCAGCAACATTGTCATCAAGGATGATGTGGCTTCTGAGGTATATAG
 GGCTGTGGCTGCAGTCCAGAAGGCGGCAGAGGCATTAGCCCTTGGGCACTTGTATCCGCTTTGCTGCC
 AGCCAGGAAGCCGTGACCTCCTCCGAGCGTGCCTTTTTGATCCTTCACTCCTCCACCTCTGTATTTCC
 CCGACGACCAGAAGTTTGTATCTACATCCCCCTTTCTGCGGATGGCTGTGCCATCCTCCTGTCTCT
 GGTC AAGATCTTCTGAAAACACAAAATCCTGAAAAAGCCTGAGAAGATAGT

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR211591 representing NM_001006602
 Red=Cloning site Green=Tags(s)

MATAGAAATDLEVVRGKRAALFFAAVAILLGLPLWKKTTETYPAPL PYSEISGLNALQLRLMVPVTVFT
 RDSVPLDDQEKLPFTVWHEREIPLKYKMKIKCRFQKAYRRAL EHEEEALSLGSVHEAEALLAEPEKQAE
 SLTVYVISEHSSLLPQDMMSYIGPERTAIVRGMIHREAFNIIGRRIIHVAQAMSLTEDVLAALADHLP
 DKWSSDKRRPLKSSLYEITFSLNPDPSKSHDVHWDIEEGVQRYVQPFNLRLSAAGNFSVDSQILYYAML
 GVNPRFDPASSYSLAMHSLPHVINPVESRLGSSAASLYPVLNLLYVPELAHSPLYIQDKDGAPVATNA
 FHSPRWGGIMVYNVDPKIYNASELPVRVEVDMAQVMEVFLAQLRLLFGIAQPQVPPKCLLSGPKSEGLMT
 WELDRLLWARSVENLATATTTLSLAQLLGKISNIVIKDDVASEVYRAVAAVQKAAEALALGHLSSAF
 SQEAVTSSERAFFDPSLLHLLYFPDDQKFAIYIPLFLPMAVPILLSLVKIFLETHKSWKKPEKID

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001006602

ORF Size: 1665 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_001006602.1](#), [NP_001006602.1](#)

RefSeq Size: 2436 bp

RefSeq ORF: 1668 bp

Locus ID: 303277

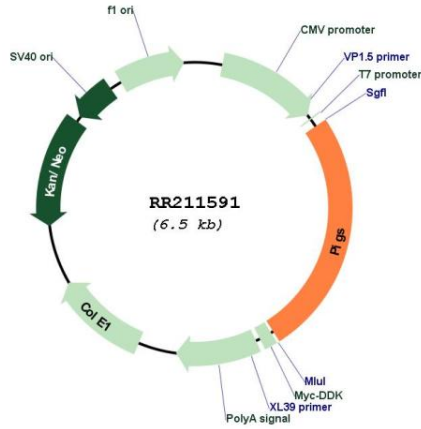
UniProt ID: [Q5XI31](#)

Cytogenetics: 10q25

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 RR211591