

## Product datasheet for MR211637

### Pigo (NM\_020035) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Pigo (NM\_020035) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Pigo  
 Synonyms: PIG-O  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR211637 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACATTCTCTCTCTCCAGGATGCGGAAGGTGTCTGTGCTCCTCTTCTTAGCCTGGGTCTGTTTTT  
 TTTTCTACGCTGGCATTGCACTCTTACCAGTGGCTTCTTCTCACTCGTCTGGAGCTACCAATCAAAG  
 CAGCTGCCAAGAGCTCCCAGGCCCTGGTCCCTTGCCGTGGGAAGTCATGGAAAGCCTGGGGCTTGCTGG  
 ATGCCTTCCCGCTTCTCCAGGGTGGTTTTGGTACTGATAGACGCTCTGCGGTTTGACTTTGCCAGCCTC  
 AGCGCTCGCATGTGCCTGGGAACCTCCTGTCTCCGTGCCTTTTCTGGGAAAATTAGGTTCTTGACAG  
 GATCCTAGAGAGTCAACCCACCATGGCCGGCTGTACCGATCTCAGGTGGACCCCCACGACCACCATG  
 CAGCGTCTAAAGGCTCTCACCCTGGCTCGCTGCCGACTTTCATTGATGCTGGCAGTAACCTTGCCAGCC  
 ATGCTATAGTGGGAAGATAATGTCATCCAACAGCTCAACAGTGCAGGAAGGCGTGTAGTCTTCATGGGAGA  
 TGATACCTGGAGAGACCTTCCCCGGAGCCTTTTCTCAAGCTTCTTCTTCTCATCCTTCAATGTCAGA  
 GACCTGCACACAGTGGATAACGGCATCTTGAACACCTTATCCTACCCTGGACGGCGTTCGTGGGATG  
 TGCTGATCGCTCACTTCTGGGTGTGGATCACTGTGGTACAAGCACGGCCCTCACCACCCTGAAATGCC  
 CAAGAACTTAGCCAGATGGACCAGGTGATACAGGGACTCATAGAACCCTGGAGAATGACACACTGCTG  
 GTGGTAGCCGGTGACCATGGGATGACCATGAATGGGGACCATGGAGGGGACAGTGGAGGTGTCAG  
 CTGCACTTTTCTGTACAGCCCCACAGCTCTTCCCTAGTGTCCACCCGAGGAGCCGGAGTTATTCC  
 TCAGGTACGCTTGTGCCACGCTGGCACTGCTGCTAGGCCTGCCCATCCCGTTTGGGAACACTGGGAA  
 GTGATGGCAGAGCTATTCTCAGGTGGCAGTGACTCCTCCCATCCTCACTCCTCTGCGCTAGCCCAAGTCT  
 CGGCTCTCCACATCAATGCCAGCAGGTGTCCCGTTTCTTACACTACTCGGCTGCGACTCAGGATCT  
 CCAAGTTAAAGAACTTCACTCGGCTGCAGACGCTTCTCCAAGGCCTCTGCGGTTACCAGCACTTTCTG  
 CGGGATCCCCAAGAGGCTGAGGCAGCGCTGAGCACATTGACTGCTGAGTCCAGCAGTTCCTGCGGGGAG  
 CTGGGCCCTGTGCATCGAGTCTTGGGCCGCTTCTCTGCTGCGAATGGCAGGGGGCGCTGCTTTTT  
 GGCTGCTGCTGCCTTCTGCTGCTTCCAGTTGGCAGTGCAGCCAGGCTTCTCTCCGCCCA



[View online >](#)

CTACTGCTAATACCTGTAGCCTGGGGCCTAACTTGGACCATCCTGTATGCTGGAGTCTCGGTAACACTG  
 GGTCAAGATAGACTTAGTGGTTCTGGGGCTGTGGCTGCAGCCGGTCACTCCTCCCTTTTCTGTGGAA  
 AGCTTGGGTTAGCAGGGGCTAAGAGGCCACTGGCTCCCTACTTCTGTCCCTAGACCTGTCTAATA  
 TTAAGTCTCATTGCTGGCCACCTTCTCTCGGATAGCTTTGTTGTGTGAGGCCAGGGCCACCCCT  
 TCCTTCTGGGCTCTCTCGTTTTCTCTGGTGTCTGAGTCCACTGGGAGGTGAGTACTGCCACCCAA  
 ACCACTCAGATGTCCCCTGGCTCTTCTGCCCCAACAGCGCCCCACGGCACAGTGGCGGCATGCC  
 CTGTGGCTTGAATTGGTTGCTTTTATTAAGGCTCGCTGGCTTTTTACCCTGCCCGGAAGAGA  
 CACTGCCTGTCCTCTCCCTGGTGAAGTCCCTGGCATCTATGGTGGGAGTGCAGCCAAGAATTT  
 GTGGTACGGAGCTTGCCTGGGGCACTGGTGGCCCTGTTAGTCGTGCTGCGCTTGTGGCTTCCGCGCTAT  
 GGTAATCTCAAGAGTCTGAGCCCCCTGTGCTTTTGTGCGCTGGGGATGCCTCTCATGTTACTGGCA  
 CGGCTGCCTACTGGCACTGGCATCAGGTGCAGAGGAAGCACCACCGCTCCGGGCCCTGGTCCCGG  
 GGCATCAGCTGTGCTGCCTGGGCTGTGATGGGCTGGTGCCTTGGGGCTGTGCTGCTGCTGGAGG  
 CCTGTGACAGTGTGGTAAAGCTGGGCTGCTACTTCAAGACCAGGACTATCCTCACTCCCTTCTCAG  
 GTCCCCCTACTTCTCAGGCTGACCTGACTATGTAGTCCCAAACTACCGCCACATGCAGGAGGAGTT  
 CCAGGGCCGGCTCGAGAGGACTAAAGCTCAGGGTCCCATAACCGTGGCTGCCTATCAGTTGGGAAGCGTG  
 TACTCGGCTGCTATGGTACGGCCCTCCTCCTTGGCCTTCCACTTATGCTGTGCATGTAGAGCGGG  
 TCAGCCTGGTGTCTGCTCTGTTTCTGCAGAGCTTCTTCTCCTGCATCTGCTGGCCGCTGGGACACC  
 AGTCGCCACCCCTGGCCCTTTACTGTGCTGTGGCAGGCAGTCTCAGCTTGGTCCCTTCTGGTACCCAG  
 ACCTTCTACTCCACAGGCCACCAGCCTGTCTTTTACGCCATCCATTGGCAGCAGCCTTTGTGGCTTCC  
 CAGACGGCCATGGCTCTTCTACCTGGTTGCCTGCCTACTAGTGGGAGCTAACACCTTGGCTCCACCT  
 CCTTTCGAGTGGCTGCCACTGCTCCTGCTTGGCCCTTCTGTGTGAGCGTCAAGGGCCAAAGAGA  
 AGGCAGCCCTCCCGGAAGTGAAGTCTGAAGCCAGAGTCCGGCCTGAGGAAGAGGAGGAGTGCAGGAGC  
 CACTGATGGAGATGCGCCTCCGGATGCTCCGAATCACTTCAATGCAGCCCTGTTGCAGTGGGCTCAA  
 GTACCTCTTATCCTTGGAGCTCAGATTCTAGCTTGTGCTTGGCAGTTCATCCTCCGAGGCACCTC  
 ATGGTCTGGAAGGTGTTTCTCCCAAGTTCATTTTTGAAGCCGTAGGTTTTCATCGTGTGAGCAGTGTGGAC  
 TTCTCTGGGCATAGCATTGGTGTGAGTGGATGTCGCTGTGAGTTCTGTTCAAAAACTAGTTCT  
 GGCCAGCAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211637 protein sequence  
 Red=Cloning site Green=Tags(s)

MNILFSPMRKVSVLLFLAWVCFLYFAGIALFTSGFLLTRLELTNQSSCQELPGPGLPWGSHGKPGACW  
 MPSRFRSRVVLVLIDALRFDFAQQRSHVPEPPVSVPFLGKLGSLQRILESQPHHGRLYRSQVDPPTTTM  
 QRLKALTTGSLPTFIDAGSNFASHAIVEDNVIQQLNSAGRRVVMGDDTWRDLFPGAFSQAFFSSFNVR  
 DLHTVDNGILEHLYPTLDGGSWDVLI AHFLGVDHCGHKHGHHPPEMAKKLSQMDQVIQGLIERLENDTLL  
 VVAGDHGTMNGDHGGDSELEVSAAFLYSPTALFSPVPEEPEVIPQVSLVPTLALLLGLPIPFNGTGE  
 YMAELFSGGSDSSHPSALAQVSALHINAQVSRFLHTYSAATQDLQVKELHRLQTLFASKASARYQHFL  
 RDPQEAEEAALSTLTAEFQQFLRGARALCIESWARFSLVRMAGGAALLAAACLLCLLASQLAVAPGFLFRP  
 LLLIPVAWGLTWTILYAGVSVTTGSKIDLVVLGAVAAAGSLLPFLWKAWSRGSKRPLAPLLPVPRPVI  
 LLLIRLATFFSDSFVVAEARATPFLGSLVFFLVAQLHWEGQLLPPKPLTMSRLGSSAPTAPRHSGAHA  
 LWLIGILLFTRLAGLFHRCPEETPACRSPWLSPLASVMGGRKNLWYGACVVALVLLVVRLWLRRY  
 GNLSPEPPVLFVRWGMPLMVLGTAAYWALASGAEAPPRLRALVAGASAVLPRAVGLAALGLVLLWR  
 PVTVLVKAGAATSRTRTILTPFSGPPTSQADLDYVVPQIYRHMQEETFQGRLETKAQGPITVAAYQLGSV  
 YSAAMVTAALLLAFPLMLLHVERVSLVLLLFLQSFLLLHLLAAGTPVATPGPFTVLWQAVSAWVLLATQ  
 TFYSTGHQPVFSAIHWAAAFVGFDPDGHGSSTWLPALLVGANTFASHLLFAVGCPLLLLWPFLLCERQPKR  
 RQPLPGSESEARVPEEEEEELQEPLMEMRLRDAPNHFNALLQLGLKYLFIILGAQILACALAASILRRHL  
 MVWVVFAPKFI FEAVGFI VSSVGLLLGIALVMRVDVAVSSWFKKLVLAAQQR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020035

**ORF Size:** 3306 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\\_020035.3](#), [NP\\_064419.2](#)

**RefSeq Size:** 4261 bp

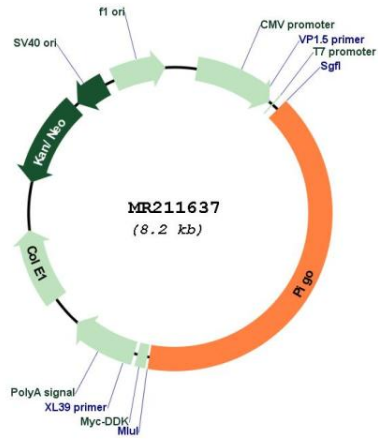
**RefSeq ORF:** 3306 bp

**Locus ID:** 56703

**Cytogenetics:** 4 A5

MW: 120.1 kDa

Product images:



Circular map for MR211637