

Product datasheet for **MG211637**

Pigo (NM_020035) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigo (NM_020035) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pigo
Synonyms:	PIG-O
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211637 representing NM_020035 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATTCTCTCTCTCCAGGATGCGGAAGGTGTCTGTGCTCCTCTTCTTAGCCTGGGTCTGTTTTCT
TTTTCTACGCTGGCATTGCACTCTTACCAGTGGCTTCTTCTCACTCGTCTGGAGCTACCAATCAAAG
CAGCTGCCAAGAGCTCCCAGGCCCTGGTCCCTTCCCGTGGGAAGTCATGGAAAGCCTGGGGCTTGCTGG
ATGCCTTCCCGCTTCTCCAGGGTGGTTTTGGTACTGATAGACGCTCTGCGGTTTGACTTTGCCAGCCTC
AGCGCTCGCATGTGCCTGGGAACCTCCTGTCTCCGTGCCTTTTCTGGGAAAATTAGGTTCTTGACAGAG
GATCCTAGAGAGTCAACCCACCATGGCCGGCTGTACCGATCTCAGGTGGACCCCCACGACCACCATG
CAGCGTCTAAAGGCTCTCACCCTGGCTCGCTGCCGACTTTCATTGATGCTGGCAGTAACCTTGCCAGCC
ATGCTATAGTGAAGATAATGTCATCCAACAGCTCAACAGTGCAGGAAGGCGTGTAGTCTTCATGGGAGA
TGATACCTGGAGAGACCTTCCCCGGAGCCTTTTCTCAAGCTTCTTCTTCTCATCCTTCAATGTCAGA
GACCTGCACACAGTGGATAACGGCATCTTGAACACCTTATCCTACCCTGGACGGCGTTCGTGGGATG
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CAAGAACTTAGCCAGATGGACCAGGTGATACAGGGACTCATAGAACCCTGGAGAATGACACACTGCTG
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CTGCACTTTTCCGTACAGCCCCACAGCTCTTCCCTAGTGTCCACCCGAGGAGCCGGAGTTATTCC
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CGGCTCTCCACATCAATGCCAGCAGGTGTCCCGGTTTCTTACACTACTCGGCTGCGACTCAGGATCT
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CTACTGCTAATACCTGTAGCCTGGGGCCTAACTTGGACCATCCTGTATGCTGGAGTCTCGGTAACACTG
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 ATGGTCTGGAAGGTGTTTCTCCCAAGTTCATTTTTGAAGCCGTAGGTTTTCATCGTGTGAGCAGTGTGGAC
 TTCTCCTGGGCATAGCATTGGTGTGCGAGTGGATGTCGCTGTGAGTTCTGTTCAAAAACTAGTTCT
 GGCCAGCAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211637 representing NM_020035
 Red=Cloning site Green=Tags(s)

MNILFSRMRKVSLLFLAWVCFIFYAGIALFTSGFLLTRLELTNQSSQELPGPGLPWGSHGKPGACW
 MPSRFSRVVVLVLIDALRFDAQQRSHVPEPPVSVFPLGKLGSLQRILESQPHHGRLYRSQVDPPTTMM
 QRLKALTTGSLPTFIDAGSNFASHAIVEDNVIQQLNSAGRRVFMGGDDTWRDLFPGAFSQAFFSSFNVR
 DLHTVDNGILEHLYPTLDGGSWDVLI AHFLGVDHCGHKHGHHPPEMAKKLSQMDQVIQGLIERLENDTLL
 VVAGDHGTMNGDHGDSLEVSAAFLYSPTALFSPVPPEEPEVIPQVSLVPTLALLLGLPIFGNTGE
 VMAELFSGGSDSSHPSALAQVSALHINAQVSRFLHTYSAATQDLQVKELHRLQTLFASKASARYQHFL
 RDPQEAEEAALSTLTAEFQQFLRGARALCIESWARFSLVRMAGGAALLAAACLCLLASQLAVAPGFLFRP
 LLLIPVAWGLTWTILYAGVSVTTGSKIDLVLGAVAAAGSLLPFLWKAWSRGSKRPLAPLLPVPRPVL I
 LLLIRLATFFSDSFVVAEARATPFLGSLVFFLVAQLHWEQQLPPKPLTMSRLGSSAPTAPRHSGAHA
 LWLGIGLLLFTRLAGLFHRCPEETPACRSPWLSPLASVMGGRAKNLWYGACVVALVLLVVRLWLRRY
 GNLKSPPEPVLVVRWGMPLMVLGTAAYWALASGAEAPPRLRALVAGASAVLPRAVMGLAALGLVLLWR
 PVTVLVKAGAATSRTRTILTPFSGPPTSQADLDYVVPQIYRHMQEETFQGLERTKAQGPITVAAYQLGSV
 YSAAMVTALLLAFPLMLLHVERVSLVFLLLFLQSFLLHLLAAGTPVATPGPFTVLWQAVSAWVLLATQ
 TFYSTGHQPVFSAIHWHAAFVGFDPDGHGSSTWLPALLVGANTFASHLLFAVGCPLLLLWPFLCERQPKR
 RQPLPGSESEARVRPEEEEEELQEPLMEMRLRDAPNHFAALLQLGLKYFILGAQILACALAAASILRRHL
 MVWVVFAPKFI FEAVGFIVSSVGLLLGIALVMRVDVAVSSWFKKLVLAAQQR

TRTRPLE - GFP Tag - V

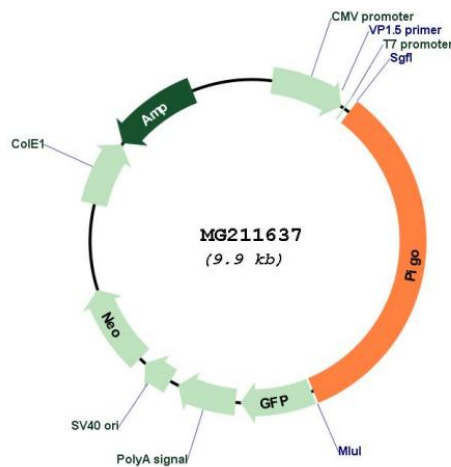
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020035

ORF Size: 3303 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:	<u>NM_020035.3, NP_064419.2</u>
RefSeq Size:	4261 bp
RefSeq ORF:	3306 bp
Locus ID:	56703
Cytogenetics:	4 A5