

Product datasheet for **MG223670**

Pigu (NM_001004721) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigu (NM_001004721) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pigu
Synonyms: 5430426F17Rik; BC028278; Cdc9111
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223670 representing NM_001004721
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTCCCTGGCCCTGGTGTCTGTGGTGGCCGTGACCGTGAGGGCGGCCTGTTTCGCTCCAGTT
 TGGCCGAGTTCATTTCCGAGAGGGTGGAGGTGGTGTCCCACTGAGCTCTTGAAGAGAGTGGTTGAAGG
 CCTTGACTGTTGGATCTGGGAGTGTCTCCATATTCTGGAGCAGTATTTTCATGAACTCCATTAATAATA
 TACCTCTTTCATTTCTAATTGACTATGCAGAATTGGTATTTATGATAACAGATGCCCTCACTGCTATTG
 CCCTGTATTTGCAATTCAGGACTTCAATAAAGTTGTGTTTAAAAAGCAGAAGCTTCTCCTAGAGCTGGA
 CCAGTATGCTCCAGATGTGGCTGAACATCCGAACCCCATGGAAATGCGCTACATCCCTCTGAAAGTG
 GCCTGTCTATCTCCTAAATCCCTACACGATCTTGTCTTGTGTTGCCAAGTCTACCTGCGCCATCAACA
 ACACCCTCATTGCTTTCTCATTGTTGACCACAATAAAAGGCAGCGTTTTCTCAGTGCTGTTTTCTTGC
 CTTAGCAACATACCAGTCTCTGTACCCAGTCACCCTGTTTGCACCAGGACTTCTCTATCTCCTCCAGCGG
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 ATGTTTGAGCACTTCAGCCTCTTTTTTGTCTGCGTGTTCAGATCAACGCTTCTTACACAGTTCCTG
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 GTCCTATCCAAGTGTGGGGATGTGGCCCTCTACATGGCTTTCTCCCTGTGTGGAACCATCTCTACAGA
 TTCCTGCGGAACATCTTCTGCTCACCTGCATCATCATGCTGCTCTTCTCTTCCCTGCTCTGTGGC
 ACCTATGGATTTATGCAGGAAGTCCAACCTCTAATTTCTTTATGCCATCACACTGACCTTCAATGTTGG
 GCAGATCTGCTCATCTGACTACTTCTATGCCTTCTGCGGCGGGAGTATTACCTCACACACGGCCTC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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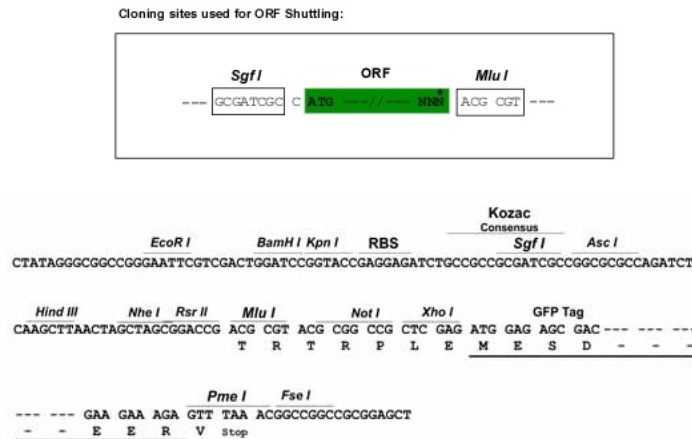
Protein Sequence: >MG223670 representing NM_001004721
 Red=Cloning site Green=Tags(s)

MAAPLALVLVAVTVRAALFRSSLAEFISERVEVVSPLSSWKRVEGLALLDLGVSPYSGAVFHETPLII
 YLFHFLIDYAELVFMITDALTAIALYFAIQDFNKVVFKKQKLLLELDQYAPDVAELIRTPMEMRYIPLKV
 ALFYLLNPYITLSCVAKSTCAINNTLIAFFILTTIKGSVFLSAVFLALATYQSLYPVTLFAPGLLYLLQR
 QYIPVKVKSASFVWIFSWEYAMMYTGSLLVIVCLSFLLSSWDFIPAVYGFILSVPDLTPNIGLFWYFFAE
 MFEHFSLFFVCFQINVFFYTVPLAIKLKEHPIFFMFIQIAIISIFKSYPTVGDVALYMAFFPVWNHLYR
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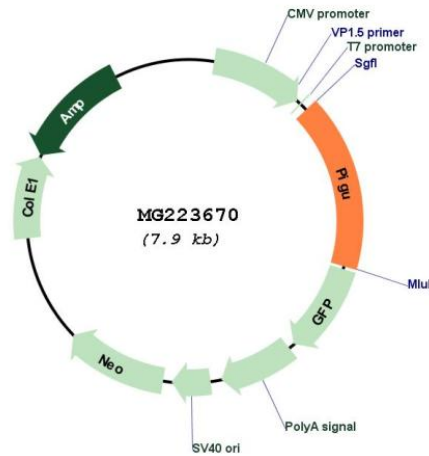
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004721

ORF Size:	1305 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:	NM_001004721.1 , NP_001004721.1
RefSeq Size:	1621 bp
RefSeq ORF:	1308 bp
Locus ID:	228812
Cytogenetics:	2 H1