

Product datasheet for **MG206368**

Pygo2 (BC025640) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pygo2 (BC025640) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pygo2
Synonyms:	1190004M21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206368 representing BC025640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCTCGGCGCCGCCACCGGACAAGCTGGAGGGAGGCAGCGCCCGCACCGCCCCCGCGC
CGCCAGCACCGGGAGGAAGCAGGGCAAGGCCGTCTGCAATGAAGAGCCCTGAAAAGAAGCGAAGAAA
GTCCAATACTCAGGGTCTGCATATTACATCTGACGGAGTTCGCCCCACCCCGACCCCATGGTGGAT
CATCTGGTCGCTTCTAACCTTTTGAGGATGATTCGGAGCCCTAAAGTGGGGGGCGCAGGCCCTCCGT
TCCTCGGCAGTCCGGTGCCTTTGGAGGCTTTCGTGTACAGGGGGCATGGCAGGCCAGGTACCCCCAGG
CTACGGCACTGGAGGAGGAGGGGTCCCCAGCCACTTCGTGGCAGCCCTCCTTTTCCCCCAACCCT
ATGGGTCCAGCTTTAATATGCCCCCTCAGGGCCCTGGCTACCCGCCCTGGCAACATGAACCTTTCCCA
GTCAACCTTCAACCAGTCTCTGGGCCAAAACCTTAGCCACCTGGTGGGCAGGTGATGCCAGGCCAGT
AGGCGGATTTGGTCCCATGATCTCACCGACCATGGGACAGCCTCCTAGAGGGGAGCTGGTCTCTCTCT
CTCCCCAACGCTTTACCCAACCAGGAGCACCTTTGGTCTTCTTTCAGAGACCTGGTCAGGGACTCC
CCAGCTGCCCCCAACACAAGTCCCTCCCTGGTCCAGACCTGGTTTTCTGGCCCTGGCGGTGAGGA
TGGTGGGAAGCCCTTGAACCCACCGCTCCACCGCTTTCCCCAGGAGCCCCATTGGGCTCCCCGCT
GCTGCTGCAATGGGAATCAGCCAGTTTCCCCCTAGCAGCAGTGGTCGAGGTGGGGGCACTCCAGATG
CCAACAGTCTGGCACCCCGGCAAGGCAGGGGGAGGCTCAGGGCCCCAGCCTCCCCAGGCTGGTGTA
CCCTGCGGTGCCTGCCGTAGTGAGGTAATGATGACCAGGATGCCATTCTGTGTGAGGCCCTCTGCCAG
AAGTGGTTTACCGCGAGTGACCCGGCATGACCAGAGTGCCTACGGCTGCTGACCACCGAGGCCCTCTG
CCGTCTGGGCCTGTGATCTTGCCTCAAGACCAAGGAGATCCAGTCTGTCTACATCCGAGAGGGCATGG
CCAGTTGGTGGCTGCTAACGATGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206368 representing BC025640
Red=Cloning site Green=Tags(s)

MAASAPPPDKLEGGSGPAPPAPPSTGRKQKAGLQMK SPEKKRRKSN TQGPAYSHL TEFAPPPTMVD
 HLVASNPFEDDFGAPKVGAGPPFLGSPVPFGGFRVQGGMAGQVPPGYGTGGGGPQPLRRQPPFPNP
 MGFAPFNMPQGPYPPGNMNFPSQPFNQSLGQNF SPPGGQVMPGVPVGGFPMISPTMGQPPRGELGPP
 LPQRF TQPGAPFGPSLQRPQGQLPSLPPNTSPFPGDPGFP GPGGEDGGKPLNPPAPTAF PQEPHSGSPA
 AAVNGNQPSFPPSSSRGGTDPDANSLAPP GKAGGSGPQPPGLVYPCGACRSEVND DQDAILCEASCQ
 KWFHRECTGMTESAYGLLTTEASAVWACDLCLKTK EIQSVYIREGMQLVAANDG

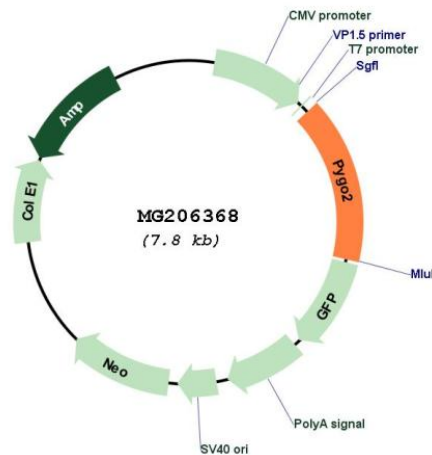
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC025640

ORF Size:	1217 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:	BC025640 , AAH25640
RefSeq Size:	2940 bp
RefSeq ORF:	1217 bp
Locus ID:	68911
Cytogenetics:	3 F1