

Product datasheet for **MG205051**

Pygo2 (BC025531) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pygo2 (BC025531) 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:	>MG205051 representing BC025531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGATCATCTGGTCGCTTCTAACCTTTTGAGGATGATTTTCGGAGCCCTAAAGTGGGGGCGCAG
GCCCTCCGTTCCCGGCAGTCCGGTGCCCTTTGGAGGCTTCGTGTACAGGGGGGCATGGCAGGCCAGGT
ACCCCCAGGCTACGGCACTGGAGGAGGAGGGGGTCCCCAGCCACTTCGTCGGCAGCCCCCTCTTTTCCC
CCCAACCCTATGGGTCCAGCTTTAATATGCCCCCTCAGGGCCCTGGCTACCCGCCCTGGCAACATGA
ACTTTCCAGTCAACCCTCAACCAAGTCTCTGGGCCAAAACCTTTAGCCCACTGGTGGGCAGGTGATGTC
AGGCCCAGTAGGCGGATTTGGTCCCATGATCTCACCGACCATGGGACAGCCTCTAGAGGGGAGCTGGGT
CCTCCTCCTCTCCCCAACGCTTTACCCAACAGGAGCACCTTTTGGTCCTTCTCTTCAGAGACCTGGTC
AGGGACTCCCCAGCCTGCCCCCAACACAAGTCCCTTCCCTGGTCCAGACCCTGGTTTTCTGGCCCTGG
CGGTGAGGATGGTGGGAAGCCCTTGAACCAACCGGCTCCACCGCCTTTCCCCAGGAGCCCCATTGGGGC
TCCCCGCTGCTGCTGTCAATGGGAATCAGCCAGTTTCCCCCTAGCAGCAGTGGTTCGAGGTGGGGCA
CTCCAGATGCCAACAGTCTGGCACCCCCGGAAGGCAGGGGGAGGCTCAGGGCCCCAGCCTCCCCAGG
CCTGGTGTACCCCTGCGGTGCCGTAGTGAGGTAATGATGACCAGGATGCCATTCTGTGTGAGGCC
TCCTGCCAGAAGTGTTTACCCGAGTGCACCGCATGACCGAGAGTGCCTACGGCCTGCTGACCACCG
AGGCCTCTGCCGTCTGGCCTGTGATCTTGCCTCAAGACCAAGGAGATCCAGTCTGTCTACATCCGAGA
GGGCATGGCCAGTTGGTGGCTGCTAACGATGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205051 representing BC025531
 Red=Cloning site Green=Tags(s)

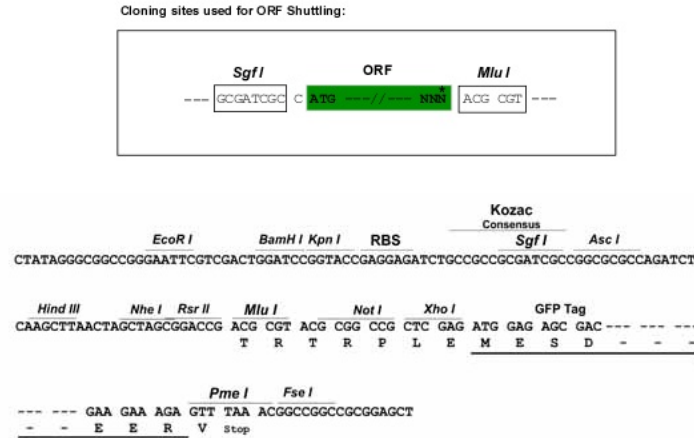
MVDHLVASNPFEDDFGAPKVGAGPPFLGSPVPFGGFRVQGGMAGQVPPGYGTGGGGPQPLRRQPPPPF
 PNPMPGAFNMPPQGGYPPPGNMNFPSSQPFNQSLGQNFSPGGQVMSGPVGGFGPMISPTMGQPPRGELG
 PPPLPQRF TQPGAPFGPSLQRPQGLPSLPPNTSPFPGDPGFGPGGEDGGKPLNPPAPTAFPQEPHSG
 SPAAAVNGNQPSFPPSSSRGGGTPDANSLAPPKAGGGSGPQPPPLVYPCGACRSEVNDQDAILCEA
 SCQKWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEIQSVYIREGMGQLVAANDG

TRTRPLE - GFP Tag - V

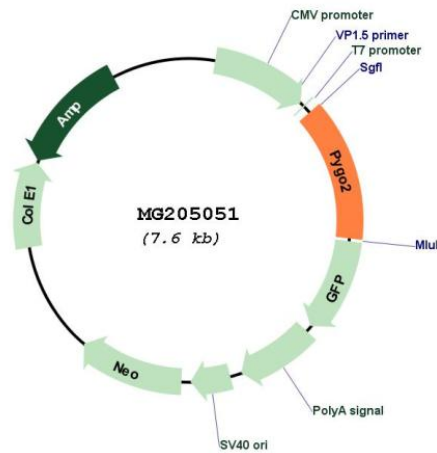
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC025531

ORF Size: 1014 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:	BC025531.1
RefSeq Size:	2678 bp
RefSeq ORF:	1016 bp
Locus ID:	68911
Cytogenetics:	3 F1