

## Product datasheet for **MG223833**

### Pygo1 (NM\_028116) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pygo1 (NM_028116) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pygo1
Synonyms:	2600014C22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223833 representing NM_028116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGCGGAACAGGACAAGGAGCCCATCGCGCTGAAGAGAGTTAGAGGTGGTGACAGTGGACTGGATG  
GGTTAGGAGGGCCCAATATACAACCTCGGAAGCCAGATAAGAAAAACGCAAGGCCAACACACAGGGATC  
TTCCTTCTCCGCTGTCAGAGTACGCGCCACCACCGAATCCAACTCCGACCATCTAGTGGCTGCCAAT  
CCGTTTCGATGACAGCTACAACACCATTTCTATAAACCCTGCCTTCATCTAATCCATATCTTGGCCCTG  
GGTATCCTGGCTTGGAGGCTACAGCACATTCAGAATGCCACCCACGTCCTCCAAGAATGTCTTCTCC  
CTACTGTGGTCTTACTCACTCAGGAATCAGCCCAACCCATTTCTCAGAAATCCGTTGGGCATGGGCTT  
AACCGGCTCATGCTTTAACTTTGGGCGCATGATAATTCGAATTTGGAAACCCACCTTATAATAATG  
TACTGACTCAGGACATTAACATGCCCGGTGACGATTTTAGACAAGGCTCTGCTGAAAACCTCAGTCAGAT  
TCCCCCGCAGAATGTTGGCCAAGTGTCTAACCTGACCTCGCATCTAATTTGCCCTGGGAATAATTCA  
AATTTTACCTCTCCGTTAGAAACGAATCATTGTTTATCCACCCCAACCGGTTTGGCCAAGCAAAG  
CTCCACTTCCAAACAAGACTTCACTCAAGGGCAACCAAAACCCGAATCAGAATTCGTCCTCACTCACC  
ACCTCACCTAAATATGGAGGATCCAGTCAATCAGAGTAACGTGAGTTAAAAATGTCAACAGAAACAAC  
GTTGTCCAAGAGAACAGCCGTTTCGGCAGCGCAGAGGCCAACCAACCATGCGAATGGGACCCAGAACA  
AGCCCGGCAGCCAGGGGCGCAGCTGACCTGTGCACCCCGACAAAAGCCGCAAGTTCTCCTGCTCCC  
CAGCCGGCATGGCCATTCTCCTCTGACCTGTGTACCCGTGCGGGATTGTACAATGAAGTGAATGAC  
GATCAGGACGCCATTCTGTGTGAAGCCTTGTGTCAGAAGTGGTTTCATCGCATCTGCACTGGAATGACCG  
AAACAGCTACGGGCTCCTGACAGCGGAAGCATCCGCAGTGTGGGCTGTGACACGTGCATGGCTGACAA  
GGATGTCCAGCTCATGCGCACTAGAGAGGCCTTTGGTCCACCTGCCGTGGGCGGCGATGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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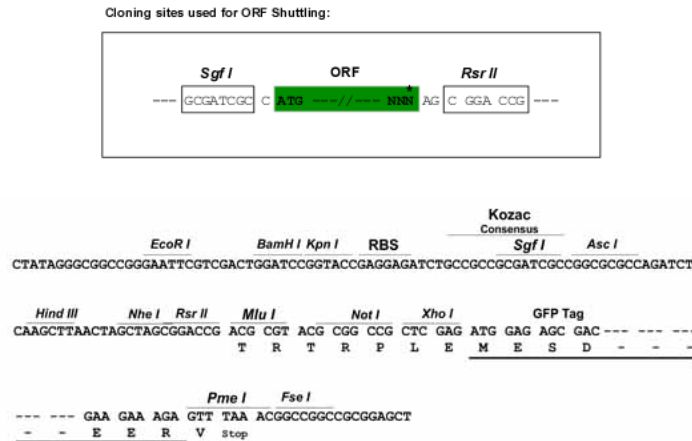
**Protein Sequence:** >MG223833 representing NM\_028116  
Red=Cloning site Green=Tags(s)

MSAEQDKPEIALKRVVGGDSGLDGLGGPNIQLGSPDKKKRKANTQGSFPPLSEYAPPPNPNSDHLVAAN  
 PFDDSYNTISYKPLPSSNPYLGPGYPGGYSTFRMPHVPPRMSSPYCGPYSLRNQPHFPQNPLGMGF  
 NRPFAFNFGPHDNSNFGNPPYNNVLTQDINMPGQHFROGSAENFSQIPPQNVGQVSNPDLASNFAPGNNS  
 NFTSPLETNHSFIPPPNAFQAKAPLPKQDFTQGATKTPNQSSSTHPPHLNMPDPVNVQSNVELKNVNRNN  
 VVQENSRSGSAAEATNNHANGTQNKPRQPRGAADLCTPDKSRKFSLLPSRHGHSSSDPVYPCGICTNEVND  
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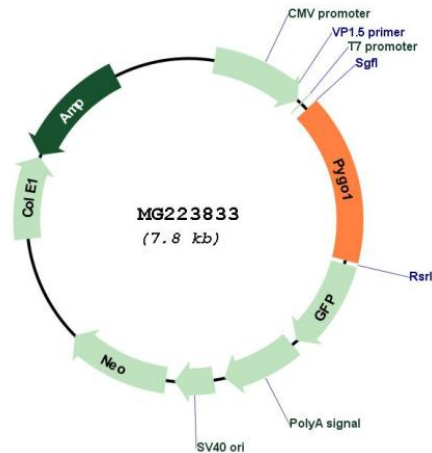
SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_028116

<b>ORF Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028116.3</a>
<b>RefSeq Size:</b>	1745 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	72135
<b>UniProt ID:</b>	<a href="#">Q9D0P5</a>
<b>Cytogenetics:</b>	9 D
<b>Gene Summary:</b>	Involved in signal transduction through the Wnt pathway.[UniProtKB/Swiss-Prot Function]