

## Product datasheet for MR229525

### Pygo2 (NM\_001293766) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Pygo2 (NM\_001293766) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Pygo2  
 Synonyms: 1190004M21Rik  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >MR229525 representing NM\_001293766  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGAGCCCTGAAAAGAAGCGAAGAAAGTCCAATACTCAGGGTCTGCATATTCACATCTGACGGAGT  
 TCGCCCCACCCCGACCCCATGGTGGATCATCTGGTCGTTCTAACCCCTTTGAGGATGATTTTCGGAGC  
 CCCTAAAGTGGGGGGCGCAGGCCCTCCGTTCTCGGCAGTCCGGTGCCCTTTGGAGGCTTTCGTGTACAG  
 GGGGGCATGGCAGGCCAGGTACCCCGAGCTACGGCACTGGAGGAGGAGGGGGTCCCGAGCACTTCGTC  
 GGCAGCCCCCTCTTTTCCCCCAACCCTATGGGTCCAGCTTTTAATATGCCCCCTCAGGGCCCTGGCTA  
 CCCGCCCTGGCAACATGAACTTTCCAGTCAACCCCTCAACCAGTCTCTGGGCCAAAACCTTTAGCCCA  
 CCTGGTGGCAGGTGATGCCAGGCCAGTAGGCGGATTTGGTCCCATGATCTCACCGACCATGGGACAGC  
 CTCCTAGAGGGGAGCTGGGTCTCTCTCTCCCCAACGCTTTACCCAACAGGAGCACCTTTGGTCC  
 TTCTCTCAGAGACCTGGTCAGGACTCCCCAGCCTGCCCCCAACACAAGTCCCTTCCCTGGTCCAGAC  
 CCTGGTTTTCTGGCCCTGGCGGTGAGGATGGTGGGAAGCCCTTGAACCAACCGGCTCCACCCGCTTTCC  
 CCCAGGAGCCCCATTGGGCTCCCCGCTGCTGCTCAATGGGAATCAGCCAGTTTCCCCCTATGCAG  
 CAGTGGTCGAGGTGGGGCACTCCAGATGCCAACAGTCTGGCACCCCGCAAGGCAGGGGAGGCTCA  
 GGGCCCCAGCCTCCCCAGGCTGGTGTACCCCTGCGGTGCCTGCCGTAGTGAGGTAATGATGACCAGG  
 ATGCCATTCTGTGTGAGGCCTCTGCCAGAAGTGGTTTACC CGAGTGCACCGGATGACCGAGAGTGC  
 CTACGGCTGCTGACCACCGAGGCTCTGCCGTCTGGGCTGTGATCTTTGCCTCAAGACCAAGGAGATC  
 CAGTCTGTCTACATCCGAGAGGGCATGGCCAGTTGGTGGCTGCTAACGATGGG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229525 representing NM\_001293766  
Red=Cloning site Green=Tags(s)

MKSPEKRRKRSNTQGPAYSHLTEFAPPPTPMVDHLVASNPFEDDFGAPKVGAGPPFLGSPVPVFGGFRVQ  
 GGMAGQVPPGYGTGGGGPQPLRRQPPPPPNMGPAFNMPPQGGYPPPGNMNFPSPQPFNQSLGQNFSP  
 PGGQVMPGPGVGGFGPMISPTMGQPPRGLGPPPLPQRFTQPGAPFGPSLQRPQGGLPSLPPNTSPFP  
 PGDPGFPGGEDGGKPLNPPAPTAFPEPHSGSPA AAVNGNQPSFPPSSSGRGGGTPDANSLAPPKAGGGS  
 GPQPPGLVYPCGACRSEVNDQDAILCEASCQKWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEI  
 QSVYIREGMGQLVAANDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

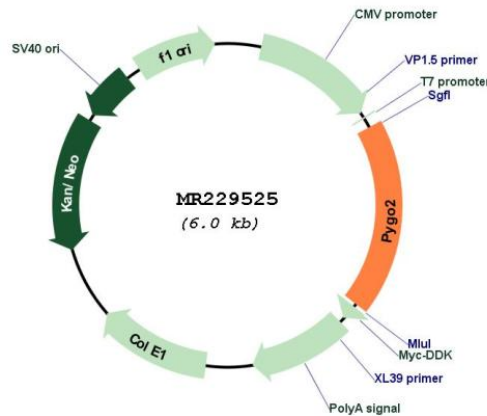
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001293766

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1104 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_001293766.2</a>  |
| <b>RefSeq Size:</b>           | 2853 bp   |
| <b>RefSeq ORF:</b>            | 1107 bp   |
| <b>Locus ID:</b>              | 68911   |
| <b>Cytogenetics:</b>          | 3 F1  |
| <b>MW:</b>                    | 38 kDa  |