

## Product datasheet for MR229740

### Pygo2 (NM\_001293768) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pygo2 (NM_001293768) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pygo2
Synonyms:	1190004M21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229740 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCCTCGGCGCCGCCCCACCGACAAGCTGGAGGGAGGCAGCGGCCCGCACCGCCCCCGCGC  
CGCCAGCACCGGGAGGAAGCAGGGCAAGGCCGTCTGCAATGAAGAGCCCTGAAAAGAAGCGAAGAAA  
GTCCAATACTCAGGGTCTGCATATTCACATCTGACGGAGTTCGCCCCACCCCGACCCCATGGTGGAT  
CATCTGGTCGCTTCTAACCTTTTGAGGATGATTCGGAGCCCCAAAGTGGGGGGCGCAGGCCCTCCGT  
TCCTCGGCAGTCCGGTGCCTTTGGAGGCTTTCGTGTACAGGGGGCATGGCAGGCCAGGTACCCCCAGG  
CTACGGCACTGGAGGAGGAGGGGTCCCCAGCCACTTCGTCGGCAGCCCCCTCTTTTCCCCCAACCCT  
ATGGGTCCAGCTTTTAATATGCCCCCTCAGGGCCCTGGCTACCCGCCCTTGGAACATGAACCTTTCCCA  
GTCAACCTTCAACCAGTCTCTGGGCCAAAACCTTAGCCACCTGGTGGGCAGGTGATGCCAGGCCAGT  
AGGCGGATTTGGTCCCATGATCTCACCGACCATGGGACAGCCTCTAGAGGGGAGCTGGTCTCTCTCT  
CTCCCCAACGCTTTACCCAACCAGGAGCACCTTTGGTCTTCTTTCAGAGACCTGGTCAGGGACTCC  
CCAGCTGCCCCCAACACAAGTCCCTCCCTGGTCCAGACCCTGGTTTTCTGGCCCTGGCGGTGAGGA  
TGGTGGGAAGCCCTTGAACCCACCGCTCCACCGCTTTCCCCAGGAGCCCCATTGGGCTCCCCGCT  
GCTGCTGTAATGGGAATCAGCCAGTTTCCCCCTAGCAGCAGTGGTCGAGGTGGGGGCACTCCAGATG  
CCAACAGTCTGGCACCCCGGCAAGGCAGGGGGAGGCTCAGGGCCCCAGCCTCCCCAGGCCTGGTGTA  
CCCTGCGGTGCCTGCCGTAGTGAGGTAATGATGACCAGGATGCCATTCTGTGTGAGGCCCTCTGCCAG  
AAGTGGTTTACCAGGAGTGCACCGCATGACCAGAGTGCCTACGGCCTGCTGACCACCGAGGCCTCTG  
CCGTCTGGGCCTGTGATCTTTGCCTCAAGACCAAGGAGATCCAGTCTGTCTACATCCGAGAGGCATGGG  
CCAGTTGGTGGCTGCTAACGATGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR229740 protein sequence  
 Red=Cloning site Green=Tags(s)

MAASAPPPDKLEGGSGPAPPAPPSTGRKQKAGLQMK SPEKKRRKSN TQGPAYSHL TEFAPPPTMVD  
 HLVASNPFEDDFGAPKVGAGPPFLGSPVFFGGFRVQGGMAGQVPPGYGTGGGGPQPLRRQPPFPNP  
 MGFAPFNMPQGGYPPPGNMNFP SQPFNQSLGQNF SPPGGQVMPGPVGGFGPMISPTMGQPPRGELGPPP  
 LPQRF TQPGAPF GPSLQRP GQLPSLPPNTSPFPGDPGFPGGGEDGGKPLNPPAPTAF PQEPHSGSPA  
 AAVNGNQPSFPPSSSRGGGTPDANSLAPP GKAGGSGPQPPGLVYPCGACRSEVND DQDAILCEASCQ  
 KWFHRECTGMTESAYGLLTTEASAVWACDLCLKTKEIQSVYIREGMGQLVAANDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001293768

**ORF Size:** 1218 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:**
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\_001293768.1, NP\_001280697.1

**RefSeq Size:** 3262 bp

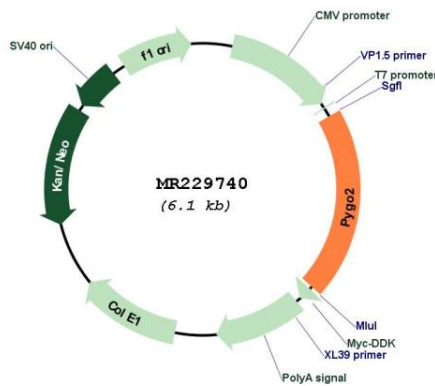
**RefSeq ORF:** 1218 bp

**Locus ID:** 68911

**Cytogenetics:** 3 F1

**MW:** 41 kDa

**Product images:**



Circular map for MR229740